PROCEEDINGS

OF THE

MADRAS GOVERNMENT

IN THE

PUBLIC WORKS DEPARTMENT

BUILDINGS AND ROADS BRANCH,

FOR

THE MONTH OF APRIL 1884.

Printed by Authority.

MADRAS:
PRINTED BY E. KEYS, AT THE GOVERNMENT PRESS.
1884.

INDEX

TO THE

TABLE OF CONTENTS AND TABULAR STATEMENT OF MISCELLANEOUS PROCEEDINGS AND MATTERS OF ROUTINE,

BUILDINGS AND ROADS,

FOR THE MONTH OF APRIL 1884.

	—	Page
A		
Amir Mahal.—Certain work at the —	Regular.	2
Annual Repair Estimates.—Rules regarding preparation of — ...	Regular.	5
Accident in the blasting operations on the new Barur channel ...	Regular.	7
Allowances to lascars who accompanied Superintending Engineer, I Circle, on a tour of inspection	Routine.	1
Approach road to the Stables of the Public Works Offices, Chepâk.—Altering the —	Routine.	4
Account.—Apportionment of charges hitherto shown under one service head of — between two or more	Routine.	5
Advertisement charges incurred by Superintending Engineer, I Circle.	Routine.	5
Applications for enhanced travelling allowances.—Mode of submission in future of —	Routine.	6
Amarávati Marbles.—Cost of conveying to Madras the —	Routine.	9
Analysis of drinking water for the Ootacamund Municipality ...	Routine.	11
Anthony, Mr. E. T., Accountant, 1st Grade	Routine.	12
Allotment for minor works in the Imperial other services budget estimate for 1884-85	Routine.	13
B		
Brick making operations at Ootacamund	Regular.	2
Barracks for a detachment of Native Infantry at Ootacamund ...	Regular.	11

	—	Page
Budget Estimates for Provincial services for 1884-85.—Final issue —	Regular.	11
Blast fan to supply the Forges in the Smith's Shop, Presidency Public Works Workshops	Routine.	2
Budget Estimates of provincial and local funds for 1884-85	Routine.	1
Budget Estimates of the Public Works Department, Final Issue.—Copies required by the Government of India of the —	Routine.	2
British Museum.—Supply of books to the —	Routine.	2
British Consular Agent, Pondicherry.—Allowance for office-rent to the —	Routine.	6
Baddeley, Captain W. L. C., R.E., General Superintendent, Public Works Stores and Workshops	Routine.	12
Budget Estimate of the Imperial military works in Punjab for 1884-85	Routine.	13
Books and publications required by the departments of the public service.—Arrangements for the purchase of —	Routine.	13
C		
Collarmakers' and Wheelers' shop for the Royal Artillery at Bellary ...	Regular.	2
Central and District Jails at Rajahmundry.—Improvements to the residence of the Superintendent of the former and construction of a police guard-room at the latter	Regular.	5
Correspondence relating to the requisition of a Treasury Deputy Collector for some information from the Superintending Engineer, II Circle	Regular.	5
Christ Church, Trivandrum.—Renewal of the lighting arrangements of —	Regular.	8
Christ Church, Cuddapah.—Lecturn and candlesticks for the — ...	Regular.	2
Conservancy Establishment, additional, for the Godávari central delta division	Regular.	12
Convict Labor.—Employment of — on jail construction	Regular.	12
Church at Poonamallee.—Purchase of wall-shades for the —	Regular.	13
Coal.—Purchase of — for laying in stock at the Public Works Stores	Routine.	1
Confidential Correspondence.—Treatment of —	Routine.	1
Cruz Milagre Dam.—Cost of maintenance of the —	Routine.	2
Campbell, Mr. J. C., Civil Engineering College.—Recovery of value of tools lost by —	Routine.	2
Charges incurred by Colonel J. Mullins, R.E., on special duty.—Certain —	Routine.	3
Church at Wellington	Routine.	4

	—	Page
Cruse, Mr. A. B., Temporary Assistant Engineer	Routine.	5
Clerks and Peons of the two Temporary Overseers of the Barur Tank Project.—Grant to meet cost of —	Routine.	4
Cormac, Sub-Conductor, J., Sub-Engineer, 2nd Grade.—Appointment as a temporary Engineer of —	Routine.	8
Clerk, Mr. H. E., Assistant Engineer	Routine.	10
Connection of public servants with landholding and commercial speculation in India	Routine.	13
D		
Divisional Office at Tanjore.—A new —	Regular.	6
DeClosets, Mr. L. P., Temporary Engineer	Regular.	10
Dowlaishweram Workshops.—A second foreman for the —	Regular.	10
E		
Establishment of the Tank Maintenance Scheme.—Changes in the — ...	Regular.	1
Establishment of the late Central Delta Sub-Division of the Godávari Eastern Division.—The messenger and lascars of the —	Regular.	11
Executive Divisions in the IV Circle.—Re-arrangement of the — ...	Regular.	13
Establishment of the Gas Works, Fort St. George.—Discharge of the —.	Routine.	2
Epigraphist to the Bombay Government.—Appointment of Mr. J. F. Fleet as —	Routine.	3
Executive Engineer, Nilgiri Division.—Addition of the name of — to schedule E. (e) of the Civil Travelling Allowance Code	Routine.	3
Erratum in G.O., No. 400 W., dated 14th February 1884	Routine.	5
Embarkation and disembarkation charges incurred by officers proceeding on duty by sea	Routine.	5
Examination in Vernaculars.—Question of passing the Higher Standard Examination piecemeal	Routine.	5
F		
Famine Tools, Kurnool District.—Proposed sale of some of the — ...	Regular.	4
Fort St. George.—Demolition of out-works of —	Regular.	8
Factories.—Reports on —	Routine.	4
Forest Officer's bungalow at Hasthumputti, Salem District	Routine.	5
Form E. "On Duty" Certificates.—Use of — by Military officers in civil employ travelling by railway on civil duty	Routine.	7

	—	Page
G		
Government House, Guindy.—Roofing the swimming bath at the — ...	Regular.	11
Guns, 24 pounder, to be mounted on the north-east demi bastion, Fort St. George.—Works to be removed to give effective command to the —.	Routine.	5
H		
Hindle, Lieutenant-Colonel, late an Executive Engineer, Madras, Public Works Department	Regular.	8, 9
Hayes, Mr. A. M., Assistant Engineer	Routine.	3
Hospital for Women and Children, Madras.—A stove for the use of the —	Routine.	7
Haig, Mr. W. S., Assistant Engineer	Routine.	9
Hensley, Mr. F. F., Deputy Examiner, Guaranteed Railway Accounts, Madras	Routine.	13
I		
Inspection Notes on the Buckingham Canal Division Office	Regular.	5
Indent for a Royal Coat of Arms for the new Post and Telegraph Offices at Madras	Regular.	7
Irrigation Conservancy Establishment.—Employment of passed Surveyors on the —	Regular.	8
Inspection Notes on the Nílgiri Divisional Office	Regular.	9
Inspection Notes on the Trichinopoly Divisional Office	Regular.	9
Inspection Notes on the Tanjore Divisional Office	Regular.	9
Inspection Notes on the Madura Divisional Office	Regular.	10
Inspection Notes on the Madras Harbour Works Office...	Regular.	2
Inspection Notes on the Cauvery and Vennár Regulators Division Office	Regular.	13
Inspection Notes on the Office of the Tank Division No. I	Regular.	13
Inspection Notes on the South Arcot Divisional Office	Regular.	13
Imperial Petty Establishment.—Pay in lieu of notice to the	Routine.	2
Improvements to the Fort at Negapatam	Routine.	3
Indexes and Tables of Contents of the Proceedings of the Madras Government.— An extra copy for the India Office of each of the —.	Routine.	8
Imperial Military Works Budget Estimate, Public Works Department, North-West Provinces and Oudh for 1884-85 (Final Issue)	Routine.	10
Imperial Other Services Budget Estimate, Public Works Department, North-West Provinces and Oudh for 1884-85 (Final Issue) ...	Routine.	10

	—	Page
Iron chain required by the Kistna Eastern Division	Routine.	11
Indents on the Home Government for Stores.—Quotation of English instead of Indian measures and weights in —	Routine.	12
J		
K		
Karanaswara Pagoda, Saidápet.—Petition from Durmakartas of — ...	Routine.	3
Kistna and Kurnool District Manuals for the Superintending Engineer, III Circle	Routine.	7
Kurnool Canal Division.—Certain charges incurred in the — ...	Routine.	9
Kurnool Canal Division.—Single horse allowance to certain Irrigation and Anicut Superintendents of the —...	Routine.	9
L		
Langley, Captain L., R.E.—Extension of furlough of —	Regular.	2
List of Officers proceeded to England with last pay certificates ...	Routine.	7
Local Fund Budget, Hosúr Circle, 1884-85	Routine.	10
Local Fund Budget, Chingleput Circle, 1884-85	Routine.	11
Local Fund Budget, Dindigul Circle ,, ...	Routine.	12
Local Fund Budget, Masulipatam Circle ,, ...	Routine.	12
Local Fund Budget, Tanjore Circle ,, ...	Routine.	11
M		
Market Stalls at Arkónam.—New —	Regular.	1
Mullins, J., Colonel, R.E.—Deputation to His Highness the Nizam's Dominions of —	Regular.	1
Military Prison and North Station Hospital, Bangalore.—Additions to the former and quarters for the Assistant Apothecary of the latter	Regular.	6
Madras Penitentiary.—Improvements to women's hospital at and repairs to buildings in the —	Regular.	8
Mahaboob-Meah.—Appointment on the Kurnool Canal of —, aged 30 years	Regular.	8
Madras Lunatic Asylum.—Repairs at the —	Regular.	9
Munsif's Court at Tiruturaipúndi.—Acquisition of the site on which is built the —	Regular.	11

	—	Page
Madras Harbour.—Collection and deposit of rubble in connection with the restoration and completion of the —	Regular.	13
Mangalore Harbour.—Suspension of operations in the—	Routine.	1
Memorials.—Quarterly list of — addressed to the Home Government and withheld by the Madras Government	Routine.	3
Madras Harbour Works.—Statement of payments made in England on account of stores and freight, &c.	Routine.	4
"*Madras Manual of the Administration.*"—Preparation and revision of articles for the—	Routine.	6
Madras Harbour Works.—Outlay to end of February 1884	Routine.	7
Madras Army Head-quarters at Ootacamund.—Dispensary and medical subordinate in connection with the —	Routine.	9
Marine Villa at Cocanada	Routine.	10
Madras Harbour Dues Act.—Levy of tolls under the —	Routine.	13
N		
Native Infantry Lines at Vizagapatam.—Site of the —	Regular.	2
Normal School at Pálkonda, Vizagapatam District	Regular.	8
Native State.—Interpretation of the term — as used in Section 8 (3) of the Civil Pension Code	Routine.	7
Negapatam Sub-Division Office.—Rent of the building hired for the —.	Routine.	7
O		
Ophthalmic Hospital, Madras.—Grant, &c., for the —	Routine.	2
Objectionable Item Statement, Local, VI Circle, December 1883 ...	Routine.	3
Objectionable Item Statement, Imperial, Madras Harbour Works, for January 1884	Routine.	4
Objectionable Item Statement, Imperial and Provincial, III Circle, for January 1884	Routine.	4
Objectionable Item Statement, Imperial and Provincial, II Circle, for January 1884	Routine.	6
Objectionable Item Statement, Provincial, VI Circle, for January 1884.	Routine.	6
Objectionable Item Statement, Provincial and Excluded Local, Architect Division, for January 1884	Routine.	6
Objectionable Item Statement, Local, VI Circle, for January 1884 ...	Routine.	6
Office tent for the Executive Engineer, Rushikulya Division.—An — ...	Routine.	8
Objectionable Items Statement, Provincial and Imperial, V Circle, for January 1884	Routine.	8
Objectionable Item Statement, Provincial, I Circle, for January 1884 ...	Routine.	8

	—	Page
Objectionable Item Statement, Provincial and Imperial, IV Circle, for January 1884	Routine.	8
Oldham, Mr. A. J., Executive Engineer.—Famine concession allowed to —	Routine.	10
Old European Hospital Building at Trichinopoly.—Resumption by the Military Department of the —	Routine.	12
P		
Pogson, Mr. A. L., Temporary Assistant Engineer	Regular.	3
Project Divisions.—Employment during 1884-85 of the —	Regular.	5
Public Works Department workyard and store building at St. Thomas' Mount.—Converting into an office for the Superintendent of Police, the old —	Regular.	8
Police Works.—Question of furnishing the Inspector-General of Police with progress reports of —	Regular.	12
Prendergast, Colonel, H. L., R.E., Superintending Engineer, V Circle.	Routine.	8
Pension to Muhammad Hussain Sahib, late Storekeeper, Petty Establishment, Bezváda	Routine.	9
Pension to P. Seshayya Naidu, late Second Writer, Sub-Court, Bellary.	Routine.	10
Paul, Mr. J. E., Assistant Engineer	Routine.	11
Professional advice to be given by Public Works officers to officers in the Revenue Department	Routine.	12
Q		
Quarters for Warrant and Non-Commissioned officers of the Commissariat Department at Madras	Routine.	1
Quarters for the Jailor at Berampore	Routine.	2
R		
Rolled iron girders for the Ophthalmic Hospital, Madras	Regular.	2
Ruined tanks in Kárvetnagar Zemindari which threaten danger to the Madras Railway	Regular.	6
Richardson, Gunner, J., Overseer.—Remand to military duty of — ...	Regular.	8
Road from Ramabhadrapur to Rajam, Vizagapatam District	Regular.	8
Road No. 9 from Gandharvakóta to Road No. 1 in the Tanjore District	Regular.	13
Reserve Stock, Gudiváda Division	Regular.	11
Return of Grants, &c., of the Public Works Department, on 20th March 1884	Routine.	2
Rama Row, G., Clerk, C. Project, Executive Engineer's Office, Cuddapah	Routine.	4

	—	Page
Rain-gauges.—Mr. Michie Smith's suggested improvement on Mr. Hutchins' gauge	Routine.	10
Report on Native Newspapers	Routine.	11
Reappropriation of Budget Grants	Routine.	10
S		
Steam launch "Victoria."—A second pump, &c., for the — ...	Regular.	1
St. Stephen's Church, Pallávaram.—Kneeling benches for —	Regular.	5
Survey establishment for the Kistna Eastern Division	Regular.	6
Sub-Registry Office at Hosúr, Salem District	Regular.	6
Sanctions to temporary establishments.—Liability of — to terminate with the official year	Regular.	7
Sundra Sastry.—Permanent re-employment of — retired under the reduction resolution of 1879	Regular.	10
Statement showing the estimated outlay against indents received in England up to end of January 1884 for stores for the Public Works and Telegraph Departments	Routine.	3
Sub-Collector's bungalow, Tuticorin	Routine.	2
Special Sub-division, Sangam Project Division.—Purchase of certain stores for the —	Routine.	6
Statements of payments made in England on account of stores and freights, &c.	Routine.	4, 6
Surplus and Unserviceable Stores, Presidency Public Works Stores Division.—Loss by sale of —	Routine.	7
Sub-divisional office building at Madanapalle	Routine.	8
Strong room for the storage of coins at Coimbatore	Routine.	11
T		
Temporary divisions in the Madras Presidency, and arrangements made for officering them	Regular.	3
Taluk Office at Paderu.—Grant for the —	Regular.	5
Tiruvadamarudúr Palace.—Improvements to the —	Regular.	6
Training of native apprentices for Foreman mechanics	Regular.	7
Temporary Draftsman in the Tinnevelly Division	Routine.	1
Temporary Establishment of II Circle, for 1884-85.—Grant to meet the cost of —	Routine.	4
Temporary Draftsmen of the Office of Chief Engineer for Irrigation.—Grant to meet cost of the —	Routine.	5

	—	Page
Travelling allowance to warrant officers holding honorary commissions	Routine.	8
Tank Division No. 2.—Overseers and office establishment for — ...	Routine.	8
Temporary Draftsman in the Office of the Chief Engineer for Irrigation.—Continuance of the —	Routine.	9
Temporary Moochee for the Office of Chief Engineer and Secretary to Government, Public Works Department.—A —	Routine.	11
Temporary Clerk sanctioned for sorting records in the Bellary Division Office	Routine.	11
Transfer of the services of officers to Native States	Routine.	11
U		
Upper Subordinate Establishment, Madras Public Works Department.—Classification of Europeans and Natives in the —	Regular.	12
Ussher, Mr. C. J., Assistant Engineer	Routine.	2
Unanswered reference list of despatches received from the Secretary of State	Routine.	3
Unanswered references from the Government of India.—List of — ...	Routine.	10
V		
Vibart, Lieutenant-Colonel H. M., R.E.—Extension for three days of the furlough out of India of	Routine.	9
W		
Webb, Mr. P., Clerk, Presidency Public Works Workshops	Regular.	1
Works in Estates under the Court of Wards.—Arrangements for the execution of —	Regular.	13
Wallnutt, Mr. R., Temporary Engineer	Routine.	1
Wallnutt, Mr. R., Temporary Engineer.—Travelling allowance to join his appointment at Madras to —	Routine.	9
Webb, Mr. P., Clerk, Presidency Public Works Workshops	Routine.	13
X		
Y		
Z		

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

TABLE OF CONTENTS,

BUILDINGS AND ROADS,

FOR THE MONTH OF APRIL 1884.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Establishment of the Tank Maintenance Scheme.—The tabular statement showing the proposed changes in the —, sanctioned.	1884. 1st April No. 882 W.	...	......
Market Stalls at Arkónam.—Establishment for constructing new —, sanctioned.	1st April No. 883 W.	...	......
Mr. P. Webb, Clerk.—The General Superintendent, Public Works Workshops directed to discharge — from his present post unless there are special grounds for not doing so.	2nd April No. 895 W.	...	22nd Dec. 1880, No. 2941 W.
Steam Launch "Victoria".—Despatch from the Secretary of State sanctioning the supply of a second pump and two Richards' Indicators for the —, communicated to officers concerned.	2nd April No. 896 W.	...	26th Oct. 1883, No. 857 I.
Colonel J. Mullins, R.E.—Ordered that the Resident in Hyderabad be addressed regarding the expenses connected with the deputation of — to Hyderabad.	2nd April No. 897 W.	...	9th Feb. 1882, No. 364 W. 21st Mar. 1882, No. 746 W. 3rd April 1882, Nos. 876-77 W. 8th May 1882, No. 1157 W. 3rd Dec. 1883, Nos. 3465-66 W. 21st Feb. 1884, Nos. 475-76 W. 4th Feb. 1884, No. 248 D. 21st Feb. 1884, No. 361 D. 11th Mar. 1884, No. 476 D. 25th Mar. 1884, No. 802 W.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
The Resident addressed on the above	1884. 2nd April No. 898 W.	..	......
Amir Mahal.—Estimate, amounting to Rs. 2,766, for certain additional work at the —, sanctioned with remarks.	2nd April No. 899 W.	...	9th Feb. 1884, No. 351 W.
Native Infantry Lines at Vizagapatam.—Directing that the site of the — be retained by Government for the present and be left in charge of the Revenue authorities.	2nd April No. 900 W.	...	22nd Nov. 1883, No. 3329 W. 11th Jan. 1884, No. 72 W. 6th Mar. 1884, No. 610 W.
Notes of Inspection.—The — of the Madras Harbour Works Office by the Deputy Examiner, Public Works Accounts, communicated to the Superintendent, Madras Harbour Works.	2nd April No. 901 W.	...	23rd Nov. 1883, No. 3372 W.
Captain L. Langley, R.E.—Extract from a Military despatch from the Secretary of State sanctioning extension by six months of the two years' furlough of —, recorded.	2nd April No. 902 W.	...	......
Brick-making Operations at Ootacamund.—Passing orders regarding the —.	2nd April No. 906 W.	...	4th Sept. 1883, No. 2478 W. 5th Oct. 1883, No. 1879 C. 3rd Jan. 1884, No. 2 D. 11th Jan. 1884, No. 51 C. 10th Jan. 1884, Nos. 69-70 W. 23rd Jan. 1884, No. 169 C. 7th Feb. 1884, No. 329 W. 5th Mar. 1884, No. 533 C. 25th June 1883, No. 1791 W. 17th Aug. 1883, No. 1549 C. 11th Oct. 1883, No. 441 E. 11th Jan. 1884, No. 47 C.
Rolled Iron Girders for the Ophthalmic Hospital, Madras.—Indent on the Secretary of State for India for —.	2nd April No. 908 W.	...	2nd April 1884, B No. 907 W. 14th Mar. 1884, A No. 693 W.
Christ Church, Cuddapah.—The Superintending Engineer, III Circle, directed to supply the — with a lecturn and candle-sticks.	2nd April No. 913 W.	...	......
Collarmakers' and Wheelers' shop for the Royal Artillery at Bellary.—Sanctioning an estimate of Rs. 5,663 for constructing a —.	3rd April No. 914 W.	...	27th Mar. 1884, No. 762 C. 11th Mar. 1884, No. 585 C.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
	1884.		
Mr. A. L. Pogson, Temporary Assistant Engineer.—Letter from the Government of India sanctioning the employment of — for a further period of one year from 17th May 1884, communicated to Superintending Engineer, IV Circle, and Examiner, Public Works Accounts.	3rd April No. 916 W.	...	11th Dec. 1882, Nos. 3272-73 W. 26th Dec. 1882, Nos. 3432-33 W. 12th Feb. 1883, No. 143 I. 19th April 1883, No. 1170 W. 16th June 1883, No. 1700 W. 27th June 1883, No. 1812 W. 7th Aug. 1883, No. 2162 W. 7th Jan. 1884, No. 11 I. 7th Jan. 1884, No. 12 I. 7th Jan. 1884, No. 13 I. 23rd Jan. 1884, Nos. 210-11 W. 21st Feb. 1884, No. 472 W. 16th June 1883, No. 1699 W. 19th May 1883, No. 409 I. 3rd Sept. 1883, No. 714 I. 24th Sept. 1883, No. 2675 W. 1st Dec. 1883, Nos. 3450-51 W. 23rd Jan. 1884, No. 200 W. 16th Feb. 1884, No. 419 W. 17th Oct. 1881, No. 2529 W. 28th Aug. 1882, No. 2213 W. 4th Oct. 1882, No. 2592 W. 21st Dec. 1882, No. 3395 W. 29th Jan. 1883, No. 289 C.
Temporary Divisions.—Forwarding to the Government of India statement showing the — constituted in this Presidency and requesting sanction to the arrangements made for officing them.	3rd April No. 917 W.	...	21st Dec. 1883, No. 2741 D. 12th Mar. 1884, No. 667 W. 16th June 1883, No. 1700 W. 8th May 1883, No. 1327 W. 22nd June 1883, Nos. 1758-59. W.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
	1884.		*Continued.* 18th July 1883, No. 1787 W. 19th Feb. 1884, No. 443 W. 14th Jan. 1884, No. 99 W. 16th June 1883, No. 1699 W. 16th Aug. 1883, No. 2311 W. 13th Aug. 1883, No. 281 E. 20th Aug. 1883, No. 294 E. 27th Aug. 1883, No. 2395 W. 10th Sept. 1883, No. 350 E. 26th Sept. 1883, No. 2706 W. 15th Nov. 1883, No. 3254 W. 5th Dec. 1883, No. 3492 W. 19th Dec. 1883, Nos. 3641-42 W. 22nd Dec. 1883, No. 3688 W. 10th Mar. 1883, No. 791 W. 27th Sept. 1883, Nos. 2724-25 W. 16th Nov. 1883, No. 3269 W. 10th Nov. 1883, No. 3177 W. 19th May 1883, No. 1455 W. 5th May 1883, No. 1314 W. 24th Oct. 1883, No. 472 E. 10th Mar. 1884, No. 654 W. 12th Feb. 1884, No. 333 C. 19th Feb. 1884, No. 409 C. 22nd Feb. 1884, No. 504 W. 13th Mar. 1884, No. 611 C. 20th Mar. 1884, No. 559 D.
Famine Tools in the Kurnool District.—Declining to authorize the proposed sale of some of the serviceable —.	4th April No. 920 W.	...	28th Mar. 1883, No. 940 W. 31st Oct. 1883, No. 1177 R.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
	1884.		(*Continued*). 18th Dec. 1883, No. 2453 C. 9th Feb. 1884, No. 192 R.
Annual Repair Estimates.—Ordered that the Government of India be addressed in reply to their letter inviting the opinions of Local Governments on the procedure under which the sanctions to — expire at the close of the official year.	4th April No. 921 W.	...	31st Mar. 1881, No. 879 W.
Letter to the Government of India	4th April No. 922 W.	...	......
Project Divisions.—Approving of the employment of the — during 1884-85 as suggested by the Chief Engineer for Irrigation, the cost of the divisions being met from Provincial funds.	4th April No. 924 W.	...	18th Oct. 1873, No. 2549. 12th Feb. 1884, No. 172 I. 10th Dec. 1883, No. 1014 I. 13th June 1882, No. 465 I. 14th Mar. 1884, No. 691 W.
Inspection Notes.—The — on the Buckingham Canal division office submitted by the Examiner, Public Works Accounts, communicated to the Superintending Engineer, V Circle.	5th April No. 932 W.	...	4th Dec. 1883, No. 988 I. 18th April 1883, No. 1166 W. 26th Aug. 1878, No. 662 I.
St. Stephen's Church, Pallávaram.—An estimate for the purchase of some, and repair of other kneeling benches for —, forwarded to the Superintending Engineer, V Circle, for sanction and execution.	5th April No. 933 W.	...	24th April 1874, No. 1051. 9th July 1874, No. 89. 23rd Oct. 1874, No. 130. 17th Feb. 1881, No. 434 W.
Central and District Jails at Rajahmundry.—Estimates for improvements to the residence of the Superintendent of the former, and for constructing a police guard-room at the latter, sanctioned.	5th April No. 934 W.	...	5th April 1873, No. 1061. 21st April 1873, No. 177. 12th Jan. 1884, No. 93 W.
Taluk Office at Paderu.—Rs. 2,000 appropriated from the Provincial Reserve and placed at the disposal of the Agent to the Governor at Vizagapatam for constructing a —.	5th April No. 935 W.	...	17th May 1883, No. $\frac{1435 \text{ W.}}{\text{A.}}$
Correspondence.—Passing orders on — relating to the requisition of the Treasury Deputy Collector, Kistna, for certain statements from the Superintending Engineer, II Circle, for embodiment in the revenue administration report.	5th April No. 936 W.	...	......

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Survey Establishment for the Kistna Eastern Division.—Sanctioning a — for completing revised estimates of Ellore canal branches and drainages and other works.	1884. 5th April No. 937 W.	...	28th Feb. 1882, No. 182 I.
Military Prison and North Station-Hospital at Bangalore.—Estimates for additions to the former and for quarters for the assistant apothecary of the latter, sanctioned with remarks.	5th April No. 938 W.	...	13th Dec. 1882, No. 3294 W. 13th Nov. 1883, No. 3218 W. 27th Nov. 1883, No. 3385 W. 21st Feb. 1884, No. 483 W. 26th Mar. 1884, No. 754 C.
Ruined Tanks in the Kárvetnagar Zemindari which threaten danger to the Madras Railway.—The Company advised to apply to the Civil District Court for an injunction to compel the zemindar to execute all reasonable repairs to the — and papers transferred to the Legislative Department for special legislation for prevention of risk to life and property by neglect on the part of owners of private irrigation works.	7th April No. 943 W.	...	15th June 1882, No. 379 R./A. 7th Sept. 1882, No. 556 R. 16th Aug. 1883, No. 873 R. 19th Sept. 1883, No. 1006 R. 30th Nov. 1883, Nos. 3418-19 W. File No. 541 of Railway Office.
Divisional Office at Tanjore.—Revised estimate for constructing —, sanctioned.	7th April No. 944 W.	...	14th Nov. 1881, No. 2822 W. 17th Feb. 1883, No. 439 C. 29th Oct. 1883, No. 2073 C.
Sub-Registrar's Office at Hosúr.—Estimate of Rs. 2,970 for constructing a —, Salem district, sanctioned.	7th April No. 945 W.	...	8th Oct. 1883, No. 2808 W. 21st Feb. 1884, No. 483 W.
Thiruvadamurthur Palace, Tanjore District.—Estimate of Rs. 2,095 for improvements to the —, sanctioned.	7th April No. 946 W.	...	15th July 1880, No. 1679 W. 8th Feb. 1881, No. 349 W. 3rd July 1882, No. 1324 C. 3rd Aug. 1882, No. 1965 W. 18th Feb. 1884, Nos. 390-91 C. 17th Jan. 1884, No. 120 C. 26th Mar. 1884, No. 746 C.

1 Subjects.	2 Date of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Training of Native Apprentices for Foremen Mechanics.—Report on the — up to end of 1881-82, and for 1882-83, ordered, with remarks, to be forwarded to the Government of India and the Secretary of State.	1884. 7th April No. 947 W.	...	22nd May 1877, No. 113 W. 22nd May 1877, No. 114 W. 4th Jan. 1878, No. 16 W. 23rd Nov. 1878, No. 4464 W. 7th Mar. 1879, No. 703 W. 27th June 1879, No. 1707 W. 24th Nov. 1882, Nos. 3104 W. 6th Jan. 1883, No. 15 W. 6th Jan. 1883, No. 17 W. 26th Oct. 1883, No. 3051 W. 24th Oct. 1883, Des. No. $\frac{40}{3051 W.}$ 24th Oct. 1883, No. 3052 W. 29th Nov. 1883, No. 3413 W. 29th Nov. 1883, Des. No. $\frac{45}{3413 W.}$ 29th Nov. 1883, No. 3414 W. 8th Oct. 1883, Nos. 2811-12 W. 17th Jan. 1884, No. 141 W.
Copy of the above forwarded to the Government of India.	7th April No. 948 W.	...	......
Despatch to the Secretary of State for India ...	7th April No. $\frac{9}{947}$ W.	...	......
Accident.—Report of an — in the blasting operations on the new Barur channel which resulted in the death of a professional blaster.	7th April No. 949 W.	...	......
Indent for a Royal Coat of Arms.—The sanction by the Secretary of State of compliance with the — for the new post and telegraph offices at Madras, communicated to the Consulting Architect.	15th April No. 972 W.	...	10th Jan. 1884, Des. No. $\frac{1}{57 W.}$
Sanctions to Temporary Establishments.—Pointing out to the Superintending Engineer, II Circle, and the Chief Engineer for Irrigation that — are usually terminable with the official year and cannot be made to hold good for a series of years.	15th April No. 973 W.	...	3rd Mar. 1884, No. 582 W.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Road from Ramabudrapur to Rajam, Vizagapatam District.—Estimate of Rs. 80,000 for constructing a —, sanctioned with remarks.	1884. 15th April No. 974 W.	...	......
Normal School at Pálkonda.—Estimate of Rs. 6,270 for constructing a —, Vizagapatam district, sanctioned.	15th April No. 975 W.	...	6th June 1883, Nos. 1086-87 C. 6th Dec. 1882, No. 3211 W.
Public Works Department Work-yard and Store-building at St. Thomas' Mount.—Estimate of Rs. 3,300 for converting the old — into an office for the Superintendent of Police, sanctioned.	15th April No. 976 W.	...	21st Feb. 1884, No. 483 W. 12th Nov. 1883, No. 3186 W.
Christ Church, Trivandram.—Directing the Superintending Engineer, IV Circle, to place Rs. 125 at the disposal of the Church Committee towards renewal of the lighting arrangements of — and sanctioning the proposed sale of the old lighting apparatus of the church.	15th April No. 977 W.	...	......
Fort St. George.—Awaiting the estimate promised for the demolition of the outworks on the north-west and south fronts of —	15th April No. 978 W.	...	27th Mar. 1884, No. 755 C. 6th Aug. 1883, No. 2154 W. 18th July 1882, No. 1834 W. 17th Oct. 1883, No. 2944 W.
Gunner J. Richardson, Overseer.—Ordered to be remanded to military duty and his services accordingly replaced at the disposal of His Excellency the Commander in-Chief.	16th April No. 981 W.	...	......
Madras Penitentiary.—Estimate of Rs. 2,120 for improvement to the women's hospital at the — sanctioned, and the estimate for repairs to buildings in the — forwarded for disposal to the Superintending Engineer, V Circle, with remarks.	16th April No. 982 W.	...	28th Nov. 1883, No. 3403 W. 21st Feb. 1884, No. 483 W.
Irrigation Conservancy Establishment.—The question whether passed surveyors may not be employed on the — without reference to the middle school examination, first class, referred to the Educational Department, and that of withdrawing the age restriction with regard to them, to the Pension Department.	16th April No. 983 W.	...	......
Mahaboob-Meah, over 25 years of age.—The appointment of — as lock superintendent on the Kurnool canal confirmed with remarks.	16th April No. 984 W.	...	......
Lieutenant-Colonel Hindle, late Executive Engineer, Public Works Department.—Proceedings, Military Department, rejecting the request of — to be allowed to count as service for pension such portion of his leave in England as will entitle him to the pension of a Major, communicated to him with remarks.	16th April No. 985 W.		18th Oct. 1879, No. 424 C.E. 31st Oct. 1879, No. 62. 12th Feb. 1880, No. 321 W. 12th Feb. 1880, No. 10 W.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
	1884.		*Continued.* 17th Mar. 1880, No. 674 W. 12th Mar. 1884, No. 601 C. 19th Aug. 1879, No. 1581, Finl. 3rd Sept. 1879, Letter No. 1605-27 E, from Government of India.
Lieutenant-Colonel Hindle.—Recommending to the Government of India that the benefit of the famine concessions may be extended to —, late an Executive Engineer of the Public Works Department, Madras.	16th April No. 986 W.	...	......
Inspection Notes.—Passing orders on the — on the Nilgiri Divisional Office submitted by the Examiner, Public Works Accounts.	18th April No. 1004 W.	...	22nd Sept. 1883, No. 2666 W. 19th Dec. 1883, No. 3632 W. 9th June 1883, No. 1617 W. 27th Aug. 1883, Nos. 2398-99 W. 30th Oct. 1883, No. 3063 W. 28th Jan. 1884, No. 243 W. 10th Nov. 1883, No. 3176 W. 10th Jan. 1884, No. 70 W. 6th June 1882, No. 1417 W. 28th Aug. 1882, No. 2206 W. 13th Dec. 1883, Nos. 3570-71 W.
Madras Lunatic Asylum.—The Superintending Engineer, V Circle, directed to issue instructions for the early execution of necessary repairs at the — and report on the delay in carrying out the same.	18th April No. 1005 W.	...	7th Feb. 1877, No. 439. 4th Oct. 1880, No. 2306 W. 1st Feb. 1882, No. 283 W. 13th June 1882, No. 1478 W. 10th Aug. 1882, No. 2045 W. 19th Mar. 1883, No. 895 W.
Inspection Notes.—Passing orders on the — on the Trichinopoly Divisional Office, submitted by the Examiner, Public Works Accounts.	19th April No. 1008 W.	...	31st Oct. 1883, No. 3096 W.
Inspection Notes.—Passing orders on the — on the Tanjore Divisional Office, submitted by the Examiner, Public Works Accounts.	19th April No. 1009 W.	...	20th April 1883, No. 831 C. 14th May 1883, No. 955 C.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
	1884.		*Continued.* 15th Oct. 1883, No. 2910 W. 22nd Dec. 1883, No. 3684 W. 31st Oct. 1883, No. 3097 W. 17th Jan. 1884, No. 121 C. 25th Feb. 1884, No. 517 W.
Mr. L. P. DeClosets.—The sanction of the Government of India to the employment of — as Temporary Engineer on the Tank Scheme for another year, communicated to officers concerned.	19th April No. 1013 W.	...	16th June 1883, No. 1700 W. 11th Mar. 1884, Nos. 657-58 W.
Sundra Sastry.—Letter from the Government of India sanctioning, with remarks, the permanent re-employment of — an upper subordinate retired under the reduction resolution of 1879, communicated to the Chief Engineer for Irrigation, and to the Superintending Engineers.	19th April No. 1014 W.	...	14th Oct. 1878, No. 4008 W. 31st Dec. 1879, No. 3353 W. 16th Feb. 1880, No. 357 W. 11th Oct. 1880, No. 2341 W. 22nd Sept. 1881, No. 2343 W. 16th Nov. 1881, Nos. 2867-68 W. 14th Dec. 1881, No. 3109 W. 27th Sept. 1881, No. 2375 W. 9th Jan. 1882, No. 45 C. 10th Jan. 1882, No. 72 C. 14th Feb. 1882, No. 173 D. 27th Mar. 1882, No. 806 W. 26th May 1882, No. 1137 C. 6th Sept. 1882, No. 1616 C. 28th May 1883, No. 1498 W. 26th Feb. 1884, Nos. 521-22 W.
Dowlaishweram Workshops.—Sanctioning the appointment of a second foreman for the — on Rs. 130 per mensem.	19th April No. 1015 W.	...	7th Dec. 1871, No. 3089. 16th Jan. 1880, No. 116 W. 29th Oct. 1881, No. 2657 W.
Inspection Notes.—Passing orders on the — on the Madura Divisional Office, submitted by the Examiner, Public Works Accounts.	23rd April No. 1032 W.	...	12th Nov. 1883, No. 3196 W.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Establishment of the late Central Delta Sub-division of the Godávari Eastern Division.—Passing orders as to the mode of treatment of the messenger and the three lascars of the permanent —.	1884. 23rd April No. 1033 W.	...	23rd Oct. 1882, No. 2750 W. 13th Jan. 1883, No. 137 W. 14th Feb. 1883, No. 491 W. 16th Aug. 1883, No. 2291 W. 11th May 1883, No. 1382 W.
Munsif's Court at Tiruturaipúndi.—The Collector of Tanjore to be instructed in the Revenue Department to acquire the site in which the — is built.	24th April No. 1039 W.	...	......
Government House, Guindy.—The sanction accorded in 1883 to an estimate for providing a tiled roof for the swimming bath at —, cancelled with remarks.	24th April No. 1041 W.	...	12th Nov. 1883, No. 3191 W.
Reserve Stock in the Gudiváda Division.—The limit of — fixed at Rs. 5,000 for building materials.	24th April No. 1042 W.	...	4th April 1881, No. 914 W. 30th Jan. 1882, No. 70 I. 3rd Feb. 1883, No. 107 I. 10th April 1883, No. 1070 W. 14th Sept. 1883, No. 757 I. 6th Mar. 1884, No. 613 W. 10th Mar. 1884, No. 642 W.
Barracks for a Detachment of Native Infantry at Ootacamund.—The sanction of the Government of India to the estimate of Rs. 12,930 for constructing —, communicated to the Superintending Engineer, V Circle, with remarks as to the provision of funds for the work during the current year.	24th April No. 1043 W.	...	19th Dec. 1883, Nos. 3644-45 W. 20th Feb. 1884, Nos. 460-61 W.
Budget Estimate for Provincial Services for 1884-85.—The final issue of the — circulated to the officers of the Public Works Department with remarks.	24th April No. 1044 W.	...	20th April 1883, No. 1190 W. 4th June 1883, No. 1554 W. 27th Sept. 1883, Nos. 2714-15 W. 8th Oct. 1883, No. 2813 W. 1st Nov. 1883, No. 2105 C. 17th Oct. 1883, No. 2933 W. 12th Jan. 1884, No. 92 W. 16th Jan. 1884, No. 129 W.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
	1884.		*Continued.* 28th Jan. 1884, No. 238 W. 28th Jan. 1884, No. 244 W. 9th Feb. 1884, No. 350 W. 3rd Mar. 1884, No. 581 W. 15th Mar. 1884, No. 709 W. 25th Mar. 1884, No. 797 W. 22nd Mar. 1884, No. 771 W. 22nd Mar. 1884, No. 770 W. 26th Mar. 1884, No. 601 D. 28th Mar. 1884, No. 850 W.
Copy of above Proceedings forwarded to the Government of India with 35 copies of the Budget Estimate.	24th April No. 1045 W.	...	......
Upper Subordinate Establishment, Madras Public Works Department.—Despatch from the Secretary of State containing definite instructions for the classification of Europeans and Natives in the —, recorded.	24th April No. 1046 W.	...	21st Feb. 1879, No. 551 W. 24th Jan. 1883, No. 268 W. 24th Jan. 1883, Desp. No. $\frac{6}{268\ W.}$ 22nd Jan. 1884, No. 198 W. 22nd Jan. 1884, Desp. No. $\frac{2}{198\ W.}$
Conservancy Establishment for the Godávari Central Delta Division.—Sanctioning an additional temporary — for one year.	25th April No. 1047 W.	...	......
Convict Labor.—Ordering, with remarks, the utilization of — in jail construction whenever practicable.	25th April No. 1054 W.	...	5th Nov. 1883, No. 3132 W. 26th Oct. 1883, No. 3040 W. 16th Nov. 1882, No. 3042 W. 18th Sept. 1879, No. 2386 W.
Police Works under execution by the Public Works Department.—Declining to modify previous orders refusing to direct that progress reports be furnished to the Inspector-General of Police of —.	25th April No. 1055 W.	...	5th Sept. 1866, No. 2832. 26th Sept. 1866, No. 3083. 3rd July 1883, No. 1847 W. 22nd Feb. 1884, No. 494 W.

1 Subjects.	2 Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Madras Harbour.—Letter from the Government of India authorising an expenditure of Rs. 1,25,000 in the collection and deposit of rubble in connection with the restoration and completion of the —, communicated to the Superintendent, Madras Harbour Works.	1884. 25th April No. 1056 W.	...	2nd Feb. 1884, No. 244 C. 7th Feb. 1884, No. 285 C. 16th Feb. 1884, No. 430 W. 16th Feb. 1884, No. 431 W. 28th Mar. 1884, No. 853 W.
Executive Divisions in the IV *Circle.*—Sanctioning, with remarks, a re-arrangement of the —.	28th April No. 1058 W.	...	14th July 1881, No. 1729 W. 6th June 1882, No. 1416 W. 1st Aug. 1883, No. 2108 W. 17th Nov. 1883, No. 3291 W. 22nd Mar. 1884, No. 780 W.
Road No. 9 *from Gandharvakóta to road No.* 1, *in the Tanjore District.*—Sanctioning the revised estimate of Rs. 9,350 for metalling the —.	28th April No. 1061 W.	...	6th Dec. 1882. No. 3211 W. 3rd Mar. 1883, No. 694 W.
Inspection Notes.—Passing orders on the — on the Cauvery and Vennár Regulators division office, submitted by the Examiner, Public Works Accounts.	28th April No. 1062 W.	...	30th Oct. 1883, No. 3071 W. 23rd Nov. 1883, No. 3369 W.
Inspection Notes.—The — on the office of the Executive Engineer, Tank division No. I, submitted by the Examiner, Public Works Accounts, communicated to the Superintending Engineer, Tank Scheme.	28th April No. 1065 W.	...	25th Mar. 1884, No. 798 W.
Inspection Notes.—The — on the South Arcot divisional office, submitted by the Examiner, Public Works Accounts, communicated to the Superintending Engineer, V Circle.	28th April No. 1066 W.	...	31st Oct. 1883, No. 3076 W. 13th Dec. 1883, No. 1037 I.
Works in Estates under the Court of Wards.—Suggesting, for the consideration of the Court, certain arrangements for the execution of —.	28th April No. 1067 W.	...	12th May 1883, No. 1134 W. 23rd Jan. 1884, No. 213 W. 24th Jan. 1884, No. 173 C. 13th Feb. 1884, No. 387 W.
Church at Poonamallee.—The Superintending Engineer, V Circle, to authorise the disbursement of the cost of the wall-shades purchased for the — if the charge be admissible with reference to paragraph 1262 of the Public Works Code.	29th April No. 1069 W.	...	......

BUILDINGS AND ROADS BRANCH,

PROCEEDINGS OF THE MADRAS GOVERNMENT,

FOR THE MONTH OF APRIL 1884.

General.
Establishment.

READ—the following papers :—

From Lieutenant-Colonel P. MONTGOMERIE, R.E., Superintending Engineer, Tank Maintenance Scheme, to the Chief Engineer for Irrigation, dated Chepâk, 28th January 1884, No. 121 T.

With reference to paragraph 2 of G.O., No. 11 I., dated 7th January 1884, I have the honor to request you will be so good as to obtain the sanction of Government to the temporary subordinate and office establishments required for next year as specified in the accompanying list.

I propose to raise the salary of the second clerk of my office from Rs. 50, 3rd class, 3rd grade, to Rs. 80, 3rd class, 1st grade, per mensem. I think this increase of pay is necessary as the work in the office is much increased. I may also add that even with the proposed increase he will draw less salary than the second clerks of other Superintending Engineers' offices, viz., Rs. 100 to 120.

I also propose to have an additional clerk on a salary of Rs. 30 to 40, 4th class, 2nd grade, both of which I request you will be so good as to sanction.

No. 20 E.W.

Endorsement on the above.

Forwarded to the Chief Engineer, Public Works Department, with a recommendation that the temporary upper subordinate and office establishments required for the Tank Maintenance Scheme for 1884-85, may be sanctioned.

2. The proposed scale of establishment involves an excess of Rs. 824 over the amount provided in the budget estimates for 1884-85, but this excess may be met by reappropriation in due course.

CAMP BORBARASINGHI, 12th February 1884.

(Signed) J. O. HASTED, Colonel, R.E., Acting Chief Engineer for Irrigation.

To the Chief Engineer, Public Works Department.

No. 347 T.

The scale of establishments has been drawn up in the prescribed form.

CHEPÂK, 3rd March 1884.

(Signed) P. MONTGOMERIE, Lieut-Col., R.E., Suptg. Engr., Tank Maintenance Scheme.

No. 429 T., Public Works.

As requested the statement of the proposed establishment is herewith submitted in the revised form.

17th March 1884.

(Signed) A. S. RUSSELL, *for* Suptg. Engr., Tank Maintenance Scheme.

Office note from the Examiner of Public Works Accounts, dated 25th March 1884, No. 1294.

Tabular statement showing the proposed changes in the establishment of Superintending Engineer, Tank Maintenance Scheme, Public Works Department, to accompany letter, No. 121 T., dated 28th January 1884.

Order sanctioning present establishment. Government of Madras, Public Works Department.		Office to which the proposition refers.	Nature of Change.						Proposition.					
			Present Scale.			Proposed Scale.			Permanent.		Temporary.			
									Increase per month.	Decrease per month.	Increase per month.		Decrease per month.	
Number.	Date.		Number.	Designation.	Fixed pay.	Number.	Designation.	Fixed pay.	Amount.	Amount.	Period.	Amount.	Period.	Amount.
					RS.			RS.				RS.		
No. 1812 W.	29th June 1883.	Office of the Superintending Engineer, Tank Maintenance Scheme.	1	Superintending Engineer, 3rd grade, staff and military pay as Lieutenant-Colonel	1,593½	1	Superintending Engineer, 3rd grade staff and military pay as Lieutenant-Colonel	1,593½	..	..	For a period of twelve months.	..	..	..
			1	Executive Engineer, 3rd grade	650	1	Executive Engineer, 3rd grade	650	..	..		..	..	..
				Office Establishment.			*Office Establishment.*							
			1	Clerk, 2nd class, 1st grade	160	1	Clerk, 2nd class, 1st grade	160	..	..		..	..	..
			1	Clerk, 3rd class, 3rd grade	50	1	Clerk, 3rd class, 1st grade	80	..	..		30	..	..
			1	Clerk, 4th class, 2nd grade	30	1	Clerk, 4th class, 2nd grade	30	..	..		..	..	..
						1	Do. do. ..	30	..	..		30	..	..
			1	Clerk, 4th class, 3rd grade	20	1	Clerk, 4th class, 3rd grade	20	..	..		..	..	..
			1	Draftsman	80	1	Draftsman	80	..	..		..	..	..
			1	Do.	50	1	Do.	50	..	..		..	..	..
			1	Do.	35	1	Do.	35	..	..		..	..	..
			1	Do.	35	1	Do.	35	..	..		..	..	..
			1	Moochee	8	1	Moochee	8	..	..		..	..	..
			3	Messengers at Rs. 6 each	18	3	Messengers at Rs. 6 each	18	..	..		..	..	..
			3	Lascars at Rs. 6 each.	18	3	Lascars at Rs. 6 each.	18	..	..		..	..	..
			..	Travelling allowance.	135	..	Travelling allowance.	135	..	..		..	..	..
			..	Contingencies ..	100	..	Contingencies ..	100	..	..		..	..	..
				Establishment for No. 1 Tank Division.			*Establishment for No. 1 Tank Division.*							
			1	Executive Engineer, 3rd grade	650	1	Executive Engineer, 3rd grade	650	..	..		..	..	..
			1	Assistant Engineer, 1st grade	450	1	Assistant Engineer, 1st grade	450	..	..		..	..	..
			1	Sub-Engineer, 2nd grade	300	1	Sub-Engineer, 2nd grade	300	..	..		..	..	..
			1	Supervisor, 2nd grade	150	1	Supervisor, 2nd grade	150	..	..		..	..	..
			4	Overseers, 2nd grade.	320	4	Overseers, 2nd grade.	320	..	..		..	..	..
				Office Establishment.			*Office Establishment.*							
			1	Clerk, 3rd class, 2nd grade	60	1	Clerk, 3rd class, 2nd grade	60	..	..		..	..	..
			1	Clerk, 4th class, 1st grade	40	1	Clerk, 4th class, 1st grade	40	..	..		..	..	..
			1	Clerk, 4th class, 2nd grade	30	1	Clerk, 4th class, 2nd grade	30	..	..		..	..	..
			1	Clerk, 4th class, 3rd grade	20	1	Clerk, 4th class, 3rd grade	20	..	..		..	..	..
			1	Do. do. ..	20	1	Do. do. ..	20	..	..		..	..	..
			1	Draftsman	50	1	Draftsman	50	..	..		..	..	..
			1	Do.	20	1	Do.	20	..	..		..	..	..
			1	Messenger	7	1	Messenger	7	..	..		..	..	..
			1	Do.	6	1	Do.	6	..	..		..	..	..
			3	Lascars at Rs. 6 each.	18	3	Lascars at Rs. 6 each.	18	..	..		..	..	..
				Sub-Divisional Office Establishment.			*Sub-Divisional Office Establishment.*							
			1	Clerk, 4th class, 3rd grade	20	1	Clerk, 4th class, 3rd grade	20	..	..		..	..	..
			1	Do. do. ..	20	1	Do. do. ..	20	..	..		..	..	..
			1	Do. do. ..	20	1	Do. do. ..	20	..	..		..	..	..
			3	Messengers at Rs. 6 each	18	3	Messengers at Rs. 6 each	18	..	..		..	..	..

Tabular statement showing the proposed changes in the establishment, &c.—*cont.*

Order sanctioning present establishment. Government of Madras, Public Works Department.		Office to which the proposition refers.	Nature of Change.						Proposition.					
			Present Scale.			Proposed Scale.			Permanent.		Temporary.			
									Increase per month.	Decrease per month.	Increase per month.		Decrease per month.	
Number.	Date.		Number.	Designation.	Fixed pay.	Number.	Designation.	Fixed pay.	Amount.	Amount.	Period.	Amount.	Period.	Amount.
No. 1812 W.—(*Continued*).	29th June 1883—(*Continued*).	Office of the Superintending Engineer, Tank Maintenance Scheme—(*Continued*).		*Sub-Divisional Office Establishment*—cont.	RS.		*Sub-Divisional Office Establishment*—cont.	RS.			For a period of twelve months—(*Continued*).	RS.		
			..	Travelling allowance.	287	..	Travelling allowance.	287	..	..		..	..	..
			..	Contingencies ..	100	..	Contingencies ..	100	..	..		..	..	..
							Establishment for No. 2 Tank Division.							
			..	....	..	1	Executive Engineer, 3rd grade	650	..	..				
			..	....	..	1	Assistant Engineer, 1st grade	450	..	..		..	..	..
			..	....	..	1	Sub-Engineer, 2nd grade	300	..	..		..	..	..
			..	....	..	1	Supervisor, 2nd grade	150	..	..		..	..	..
			..	....	..	4	Overseers, 2nd grade.	320	..	..		..	..	..
							Office Establishment.							
			..	....	..	1	Clerk, 3rd class, 2nd grade	60	..	..		..	..	..
			..	....	..	1	Clerk, 4th class, 1st grade	40	..	..		..	..	..
			..	....	..	1	Clerk, 4th class, 2nd grade	30	..	..		..	..	..
			..	....	..	1	Clerk, 4th class, 3rd grade	20	..	..		..	..	..
			..	....	..	1	Do. do. ..	20	..	..		..	..	..
			..	....	..	1	Draftsman	50	..	..		..	..	..
			..	....	..	1	Do.	20	..	..		..	..	..
			..	....	..	1	Messenger	7	..	..		..	..	..
			..	....	..	1	Do.	6	..	..		..	..	..
			..	....	..	3	Lascars at Rs. 6 each.	18	..	..		..	..	..
							Sub-Divisional Office Establishment.							
			..	....	..	1	Clerk, 4th class, 3rd grade	20	..	..		..	..	..
			..	....	..	1	Do. do. ..	20	..	..		..	..	..
			..	....	..	1	Do do. ..	20	..	..		..	..	..
			..	....	..	3	Messengers at Rs. 6 each	18	..	..		..	..	..
			..	....	..	..	Travelling allowance.	287	..	..		..	..	..
			..	....	..	..	Contingencies ..	100	..	..		..	..	..
								2,606	..	..		2,606	..	..
				Total ..	5,588½		Total ..	8,254½	..	..		2,666	..	..
					..		Net Increase per annum ..	..	..	..		31,992	..	..

Chepâk,
March 1884.

(Signed) P. MONTGOMERIE, Lieut.-Col., R.E.,
Suptg. Engr., Tank Maintenance Scheme.

Order—dated 1st April 1884, No. 882 W., Public Works.

The tabular statement showing the proposed changes in the establishments of the Tank Maintenance Scheme, is sanctioned. It will, however, be understood that Executive establishments cannot be entertained except under the rules specially applicable to those establishments.

2. The members of the office establishment being only temporary, are on fixed pay, and are not entitled to increments. The statement has been revised in this respect.

3. This sanction has been registered as Provincial No. 1 W. of 1884-85 and classified as Establishment, Temporary.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, Tank Maintenance Scheme.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 1st.

Recd. *Encl.*

G.O., 1st April 1884, No. 882 W.

APRIL.

Establishment

The tabular statement showing the proposed changes in the — of the Tank Maintenance Scheme, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Secretary to the Board of Revenue, dated Coimbatore, 21st March 1884, No. 77-M.—Through the Chief Engineer, Public Works Department :—

I have the honor to forward, for sanction, a plan and estimate, amounting to Rs. 4,600, for constructing new market stalls in place of the old ones at Arkónam in the North Arcot district.

2. The plan and estimate have been examined in my office, and approved by the Local Fund Board. It is reported that a sum of Rs. 4,000 has been provided in the budget estimate for 1884-85 for this work.

Order—dated 1st April 1884, No. 883 W., Public Works.

The estimate, amounting to Rs. 4,600, for constructing new market stalls at Arkónam, is sanctioned, and registered as Local No. 1 W. of 1884-85.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Board of Revenue, with four enclosures.
„ Superintending Engineer, IV Circle.
„ Financial Department.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated April, 1st.

Recd. *Encl.*

G.O., 1st April 1884, No. 883 W.

APRIL.

Market Stalls at Arkonam

Estimate for constructing new —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers :—

From J. W. RUNDALL, Esq., Superintending Engineer, II Circle, to the Chief Engineer, Public Works Department, dated Masulipatam, 8th March 1884, No. 1047 S.G.

I have the honor to forward, for your consideration and orders, a letter from the Executive Engineer, Sangam Project division, who complains of the manner in which Mr. P. Webb, now employed as clerk in the Public Works Stores, has behaved.

No. 358, of 2nd March 1884, with its enclosure, from the Executive Engineer (return requested).

2. If Mr. Webb's statement is true, that the General Superintendent, Public Works Stores, gave him a six months' lien on the appointment in his office, this officer has ignored the orders of Government contained in G.O., No. 2941 W., of the 22nd December 1880, limiting such a lien to three months. I agree with Captain Campbell that no servant should be allowed to make a convenience of a public office in the manner in which this clerk appears to have done.

3. Unless, therefore, Mr. Webb's previous service justifies some consideration, I do not think he should be allowed to rejoin an appointment, which, under the terms of the Government order quoted, he should have vacated, and request the favor of your orders on the subject.

From Captain W. L. C. BADDELEY, R.E., General Superintendent, Public Works Workshops, to the Deputy Chief Engineer, Public Works Department, dated Madras, 25th March 1884, No. 1412.

With reference to your No. 680 C. of 21st March 1884 (enclosures returned), I have the honor to state that Mr. Webb was not given any lien upon his appointment in this office. He was granted six months' leave without pay, but at the time he was clearly told that he had no hold on his workshop post.

2. When Mr. Webb came to see me at Madras, I understood that he had finally left Sangam on account of ill-health, and I had no idea that Captain Campbell expected him to return to duty.

Order—dated 2nd April 1884, No. 895 W., Public Works.

The circumstances of this case involve a distinct infringement of the orders circulated on the 22nd December 1880, No. 2941 W., and unless there are special grounds, which do not appear from the correspondence, the General Superintendent, Public Works Workshops, should discharge Mr. Webb from his present post.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, II Circle.
" General Superintendent, Public Works Workshops.

GENERAL.
ESTABLISHMENT.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated April, 2nd.

Recd. *Encl.*

G.O., 2nd April 1884, No. 895 W.

APRIL.

Mr. P. Webb, Clerk

The General Superintendent, Public Works Workshops, directed to discharge — from his present post unless there are special grounds for not doing so.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following despatch from the Right Honorable the Secretary of State for India, to His Excellency the Right Honorable the Governor in Council, Fort St. George, dated India Office, London, 6th March 1884, No. 4, Public Works:—

I have received your letter in the Public Works Department, No. $\frac{41}{857 I.}$, dated 26th October 1883, requesting that a second pump and two Richards' indicators may be supplied for the steam launch *Victoria*, and I have sanctioned compliance with your request.

Order—dated 2nd April 1884, No. 896 W., Public Works.

Communicated to officers concerned.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" Chief Engineer for Irrigation.
" General Superintendent, Public Works Stores.

GENERAL.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 2nd.

Recd. *Encl.*

G.O., 2nd April 1884, No. 896 W.

APRIL.

Steam Launch "Victoria"

Despatch from the Secretary of State, sanctioning the supply of a second pump and two Richards' indicators for the —, communicated to officers concerned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following letter from D. C. GORDON, Esq., Examiner of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 24th March 1884, No. 200 W.:—

With reference to paragraph 2 of your office note, No. 361 D., dated the 21st February 1884, I have the honor to forward, herewith, copy of a letter, No. 45, dated the 8th instant, received from Colonel J. Mullins, R.E., together with a copy of statement received therewith, from which it will be observed that a sum of Rs. 2,518-2-0 is chargeable to the Nizam's Government on account of the deputation of Colonel Mullins, R.E., and to request that that Government may be addressed in view to a remittance transfer receipt being forwarded in favor of the Chief Engineer, Public Works Department, for the full amount.

Enclosures.

From Colonel J. MULLINS, R.E., Chief Engineer on Special Duty, to the Examiner of Public Works Accounts, dated 8th March 1884, No. 45.

I have the honor, with reference to your No. 857 X., dated 25th ultimo, to forward a statement of the charges apparently debitable to His Highness the Nizam's Government.

Statement showing the amount chargeable to Hyderabad Government.

	RS.	A.	P.	RS.	A.	P.
Pay of Colonel J. Mullins, R.E., from 30th to 31st January ...	148	10	9			
Do. do. from 1st to 27th February ...	2,145	7	3			
				2,294	2	0
Travelling expenses of Colonel J. Mullins, R.E., to Hyderabad				83	12	0
Do. do. in Hyderabad territory ...				60	0	0
Do. do. from Shenkarpully to Bangalore.				80	4	0
Total ...				2,518	2	0

Order—dated 2nd April 1884, No. 897 W., Public Works.

Ordered that the Resident in Hyderabad be addressed.

(Here enter No. 898 W., dated 2nd April 1884.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 2nd.

Recd. *Encl.*

G.O., 2nd April 1884, No. 897 W.

APRIL.

Colonel J. Mullins, R.E.

Ordered that the Resident in Hyderabad be addressed regarding the expenses connected with the deputation of —, to Hyderabad.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Letter—from

Colonel J. SHAW-STEWART, R.E.,

Secretary to the Government of Madras,

Public Works Department,

To

The RESIDENT in HYDERABAD.

Sir,

Adverting to my letter, No. 3465 W., dated 3rd December 1883, intimating that Colonel J. Mullins, R.E., Chief Engineer for Irrigation, had been selected to inspect and report on the site for an anicut on the Manjra river, in the territories of His Highness the Nizam, I am now directed to forward the accompanying copy of a letter from the Examiner, Public Works Accounts, to which is attached an account of the expenses incurred in connection with the duty in question. The total cost amounts, it will be seen, to Rs. 2,518-2-0. I am to request that a remittance transfer receipt for this sum may be forwarded in favor of the Chief Engineer, Public Works Department.

2. Colonel Mullins states that his report on the project will be submitted as soon as certain Revenue information is received from General Glasfurd.

I have the honor to be,

Sir,

Your most obedient servant,

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

Fort St. George,
2nd April 1884.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 2nd.

Recd. *Encl*

2nd April 1884, No. 898 W.

APRIL.

Colonel J. Mullins, R.E.

Requesting to forward a remittance transfer receipt for Rs. 2,518-2-0, the amount of the expenses incurred by —, during his recent visit to report on the site for an anicut on the Manjra river.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ again—

Proceedings of Government, dated 9th February 1884, No. 351 W.

Read also—

Letter from the Government Agent, Chepâk, dated 25th March 1884, No. 114.

ORDER—dated 2nd April 1884, No. 899 W., Public Works.

On reconsideration, the Government sanction the estimate, amounting to Rs. 2,766, for certain additional work at the Amir Mahal, on the understanding that it includes provision for every requirement at the palace.

2. The Government Agent will be informed that no further proposals involving additional expenditure at the Amir Mahal can be taken into consideration by the Government.

3. This sanction has been registered as Provincial No. 1 W. of 1884-85; and classified as Civil Buildings, Original Works. It will be regarded as supplemental to the sanction accorded in G.O., No. 1779 W., dated 25th June 1883, for improvements to the Amir Mahal.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Consulting Architect to Government, with estimate.
,, Examiner, Public Works Accounts, with duplicate abstract estimate.
,, Political Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated April, 2nd.

Recd. *Encl.*

G.O., 2nd April 1884, No. 899 W.

APRIL.

Amir Mahal

Estimate, amounting to Rs. 2,766, for certain additional work at the —, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following letter from G. T. Walch, Esq., Officiating Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 17th March 1884, No. 564 V.Z. :—

With reference to G.O., No. 3329, dated 22nd November 1883, I have the honor to enclose the correspondence detailed in the margin (to be returned).

Copy of No. 168, dated 20th February 1884, from Collector to Executive Engineer.
Copy of letter, No. 2208, dated 22nd February 1884, from Executive Engineer, in reply to above.
Letter, No. 2262, dated 2nd March 1884, from the Executive Engineer to Officiating Superintending Engineer.

2. Should it be quite definitely settled that troops will not be again stationed at Waltair, I recommend that the ground on which stood the native infantry lines at Vizagapatam be handed over to the municipality.

Enclosures.

From the Collector of Vizagapatam, to the Executive Engineer, Vizagapatam Division, dated 20th February 1884, No. 168.

With reference to your letters noted in the margin, I have the honor to inform you that I approve of the regimental lines lately occupied by the 29th regiment, M.N.I., being handed over to the Vizagapatam municipality.

No. 1728, dated 3rd December 1883.
,, 1813, ,, 17th ,, ,,
,, 1889, ,, 30th ,, ,,

2. The commissioners are willing to take charge of them and dismantle and sell the materials, and from the sale-proceeds to raise and level the ground and let it out for building purposes. They will not allow any thatched houses to be built, but only pucka ones with brick and chunam, or stone in chunam.

3. The above arrangements will save Government the expense of pulling the houses down.

From the Executive Engineer, Vizagapatam Division, to the Collector of Vizagapatam, dated Waltair, 22nd February 1884, No. 2208.

I have the honor to acknowledge receipt of your letter, No. 168, dated the 20th February 1884, and, in reply, to inform you that I cannot make over the huts of the 29th regiment, M.N.I., Vizagapatam, and their site to the Vizagapatam municipality to be let out for building purposes.

2. The site of the lines is *boná fide* the property of Government and will be retained on political grounds. At any rate it cannot be disposed of without their approval. If the site is not required by them, I think it should be sold to the municipality or those that are in need of land for building purposes.

3. In accordance with the orders of Government, contained in G.O., No. 3329 W., dated the 22nd November 1883, and under the provisions of paragraphs 2308—2319, Madras Army Regulations, I have ordered the immediate disposal of the lines by auction.

From the Executive Engineer, Vizagapatam Division, to the Superintending Engineer, I Circle, dated Waltair, 2nd March 1884, No. 2262.

Referring to the accompanying copy of letter from the Collector of Vizagapatam and copy of my reply thereto, I have the honor to inform you that I have ordered the immediate disposal of the lines by auction. The site is *bonâ-fide* the property of Government, and I have retained it on political grounds until the pleasure of Government is known. I therefore request you will be so good as to obtain the orders of Government as to whether it is to be retained or disposed of. In the meanwhile, I have ordered the site to be properly demarcated.

ORDER—dated 2nd April 1884, No. 900 W., Public Works.

His Excellency the Governor in Council considers that, in view of probable requirements in connection with the proposed State railway and other matters, the site of the native infantry lines at Vizagapatam should be retained by Government for the present.

2. With that object the land will be handed over to the Revenue authorities after the huts have been cleared.

3. It is noted that steps have been taken to have the site properly demarcated.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle.
„ Revenue Department.
„ Military „

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated April, 2nd.

Recd. *Encl.*

G.O., 2nd April 1884, No. 900 W.

APRIL.

Native Infantry Lines at Vizagapatam

Directing that the site of the — be retained by Government for the present, and be left in charge of the Revenue authorities.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following letter from D. C. GORDON, Esq., Examiner of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 29th March 1884, No. 202 W. :—

I have the honor to submit, for information and orders of Government, notes by Mr. Rainier, Deputy Examiner, of his inspection of the office of the Madras Harbour Works.

2. The report is satisfactory.

Enclosure.

Notes of inspection by H. RAINIER, Esq., Deputy Examiner, Public Works Accounts, Madras, of the office of the Superintendent, Madras Harbour Works, on the 26th March 1884.

The Superintendent, Mr. F. N. Thorowgood, and the accountant, G. Muthusawmy Naidu, were present.

2. The office was last inspected on the 15th November 1883, *vide* papers printed with G.O., No. 3372 W., of 23rd idem.

3. The accuracy of the balance of the Superintendent's drawing account was proved, as on 1st March 1884. The cheque books, the pass books, the cash and the cash-abstract books were found in order.

4. The allocation of labor employed on works on a time-sheet daily rendered to the Superintendent, which is compared with the semi-monthly muster-roll, is a good arrangement, and well maintained. Work abstracts are prepared in a neat and complete manner by the accountant, and the register of works is in good order. The *materials at site,* 12,748 concrete blocks, are valued at Rs. 1,64,974.

5. The *stock* accounts are satisfactorily kept. Rates seemed generally market-like, and the Superintendent described the stock as in serviceable condition, none of it being surplus. The stock sub-ledger is freely used, and such accounts are clearly and well kept. The Superintendent agreed that in future the storekeeper should record stock transactions in his daily registers at the time they occur, just as would be done in the case of cash. Stock was stated to have undergone general verification in May 1883; another stock-taking was promised very shortly.

6. The *tools and plant* accounts were found in order. These, and especially the mathematical and scientific instruments, require and will shortly receive, it was said, a thorough overhaul.

7. *Rents* of buildings have not been punctually or regularly realisèd; those of last January were received (as per cash-book) on the 12th and paid into the treasury on the 20th instant. Of one item only is there supposed to be any doubt of recovery, as regards such rents. This, Rs. 28-6-8, is due from a Mr. G. D. Stephens, whom the Government Solicitor is moving. According to the papers printed with Government Order (Public Works Department), No. 544, of 28th February 1884, these rents will now be recovered by the Collector. The Superintendent wishes this arrangement to have effect as soon as possible. Perhaps it can be ordered to begin from 1st April 1884.

8. There has been due attention given to the suggestions in last report, though as regards what was said in paragraph 6 (*vide* G.O., No. 3372 W., of 23rd November 1883), the Superintendent prefers continuing the more detailed schedule of expenditure.

9. The departmental code is incomplete, but will now be posted up with all standing orders

10. The accountant is well assisted.

11. The office is in very good order.

Order—dated 2nd April 1884, No. 901 W., Public Works.

Communicated to the Superintendent, Madras Harbour Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintendent, Madras Harbour Works.
" Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of (1884) Madras:

PUBLIC WORKS.

Dated April, 2nd.

Recd. *Encl.*

G.O., 2nd April 1884, No. 901 W.

APRIL.

Notes of Inspection

The — of the Madras Harbour Works office, by the Deputy Examiner of Public Works Accounts, communicated to the Superintendent, Madras Harbour Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper :—

G.O., dated 28th March 1884, No. 1594, Military.

Read—the following extract from a Military Despatch from the Right Honorable the Secretary of State for India, dated 28th February 1884, No. 19 :—

11. Captain L. Langley, R.E., has been informed that, as your Government have no objection to the prolongation of his absence from India for six months beyond his two years' furlough, six months of the period spent by him at the School of Military Engineering, Chatham, will reckon as additional to his furlough under the terms of paragraphs XI and XIII of the Regulations of May 1883. Captain Langley will, therefore, not be due in India till 24th July 1884, but he has not been granted extension of furlough.

Order—dated 28th March 1884, No. 1594, Military.

Transferred to the Public Works Department, with the request that the correspondence ending with and including the Secretary of State's present reply may be communicated to the Military Department for the information of His Excellency the Commander-in-Chief.

(True Extract.)

(Signed) A. R. KENNEY-HERBERT, Lieut.-Col.,
Offg. Secretary to Government.

ORDER—dated 2nd April 1884, No. 902 W., Public Works.

Recorded.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Military Department, with a copy of G.O., No. 3576 W., dated 14th December 1883.
„ Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 2nd.

Recd. *Encl.*

G.O., 2nd April 1884, No. 902 W.

APRIL.

Captain L. Langley, R.E.

Extract from a Military Despatch from the Secretary of State, sanctioning extension by six months of the two years' furlough of —, recorded.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers:—

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Ootacamund, 12th March 1884, No. 147 E.W.

As directed in your memorandum, No. 553 C., of 5th instant, I have the honor to report on recent operations in the brickfields near Ootacamund. The brickfields in question are those at Lovedale, Stonehouse, Kandal and the Lake End.

2. *Lovedale Brickfield.*—No bricks have been made at Lovedale during the past twelve months. In May 1883, there were about 120,000 bricks in hand there, but these have all since been used up, except about 23,000. The disadvantage of making bricks there was the cost of cartage to works at Ootacamund. The bricks cost Rs. 14 a thousand on the spot, and Rs. 4 to 5 extra for cartage into Ootacamund.

3. The soil there is believed to be in no way superior to that at any of the other places where bricks have been made. There, as at Stonehouse, Kandal and Lake End, there are different kinds of clay. When brick-making was carried on there on a large scale, it was done under a European superintendent with a brick-making machine worked by a steam engine, and a special admixture of clays was adopted; but there is no record of what that mixture was.

4. *Stonehouse Brickfield.*—About $3\frac{1}{4}$ lakhs of country (ground moulded) bricks, at Rs. 6 a thousand, were made at Stonehouse for public works during the past year. They were little, if at all, better than bazaar bricks. They were used for such works as peons' quarters, servants' lines, &c. Work was discontinued at end of January as all the bricks urgently wanted had been made, and it was the wish of the Chief Engineer that brick-making in that locality should be stopped as soon as possible.

5. *Kandal Brickfield.*—About a lakh of bricks were made in the old Kandal ground during the past twelve months, and have all been used up but about 20,000. They were bench bricks of a quality superior to ordinary country bricks. The manufacture of bricks there was stopped last July, and the principal reason for abandoning that ground was the want of a good site there for a Hoffmann's kiln, similar to the one at Madras, which it was at that time in contemplation to build, and for which land was purchased at Lake End.

6. *Lake End Brickfield.*—This was commenced with the intention of erecting a Hoffmann's kiln, but it was subsequently decided to work with a Bull's trench kiln and drying-sheds. The trench kiln is capable of holding 70,000 bricks, and the two drying-sheds will hold 20,000 each. It is expected that with the aid of the trench kiln and drying-sheds brick-making may be carried on throughout the year.

7. Operations at the new brickfield have been delayed: first, by bad weather, and, secondly, by frosts, which destroyed a large number of raw bricks in the sheds.

8. At this, as at the other brickfields about Ootacamund, there are a number of different clays, grey, red, yellow, &c., and in order to make good bricks it is necessary that the best mixtures should be ascertained and used, that all lumps should be crushed and that the clays used should be thoroughly mixed. It is found that this can only be done by the brick-making machine, which crushes all lumps, mixes and moulds. The ordinary pugging machines allow lumps of hard soil to pass through them, which are fatal to good brick-making.

9. But the brick-making machine requires 18 convicts to work it, 6 to each of the three arms; bullocks were a failure, as they could not be induced to pull together.

10. A trial is about to be made with horses, and if that does not succeed, a steam engine is the only alternative. A portable, 10 horse-power, double cylinder, steam engine would do well, but would probably be more expensive to use than horses. The little 6 horse-power engine from the Lawrence Asylum would evidently not be powerful enough to work the machine; and the Devala Mining Company has decided not to part with the engine they had lately intended to sell. So that, if it be eventually decided to get an engine, it will probably have to be ordered out from England.

11. The best bricks hitherto made at the new brickfield were those turned out by the machine. About two lakhs of raw bricks have been made there up to date, of which about 1,08,000 have been burnt and the bricks fit for use have been of a quality superior to ordinary country bricks, but still very inferior to what were in former years made at Lovedale and Kandal, and what, it is expected, will yet be made at the Lake brickfields when the best mixtures have been ascertained, and the machine can be worked.

ENCLOSURE.

From J. C. LARMINIE, Esq., Executive Engineer, Nilgiri Division, to the Superintending Engineer, IV Circle, dated Ootacamund, 10th March 1884, No. 603.

In reply to your memorandum, No. 222 C., N.I., of the 8th instant, I have the honor to state that I think there is every prospect of my being able to make fair bricks at the Lake field. I doubt if it will ever be possible to make as good bricks here as are made at the Government brickfields, Madras, or those at the Railway works, Coimbatore (Pódanúr), for the simple reason that such good clay does not exist here.

2. But that by mixing various kinds of clay together good bricks can be made is proved by the bricks of which Government House is built; they were all made at Kandal under the supervision of a European overseer or maistry, Mr. Seager, who was employed for many years in this division (not on the permanent Public Works Department staff) specially for brick-making at the Lawrence Asylum and at Kandal, and it is to be greatly regretted that his services were dispensed with, when he took service under the municipality.

3. When I joined this division, contracts had been entered into for the manufacture of bricks at the Lawrence Asylum and at Kandal, the specification being that two kinds of clay, to be pointed out by the department, should be used; but the real fact was there was no one here then (in the department) who had had any experience of the different clays or of the proportions in which they should be mixed, so the result was an experiment. The bricks were made and have nearly all been used, but they could not be called good.

4. The experience gained indicated that probably a better brick could, with the imperfect means available for thoroughly incorporating various kinds of clay together, be made of a single kind of clay. This was accordingly tried at the Lake trench kiln and the result was a better brick than the contract bricks of Kandal.

5. About this time I came to know of Mr. Seager's connection with the departmental brick-making, and thinking his experience might be of use, I obtained his services for a week. He tried various mixtures of clay, and after a good deal of trouble in efforts to work the brick-making machine by bullocks, he succeeded in making a few rough but fairly sound bricks.

6. The same mixture of clays worked in the ordinary pug mills did not turn out nearly so well; in fact were inferior to the first trial kiln of one kind of clay, all owing no doubt to defective pugging and the absence of the crushing obtained by the rollers when the clays go through the brick-making machine.

7. I have now, in consequence, reverted to a very simple mixture, *i.e.*, the single clay first tried with a small portion of a stronger clay, and I propose to continue this until I am able to fairly start the brick-making machine.

8. Similar machines are, in England, worked by horses. As verbally explained, I cannot now obtain the portable engine from Pundalur, so I shall endeavour to make a trial with hired horses. Should it be successful, it will then be a question as to whether it will be more advantageous to purchase a pair of horses or a 10 horse-power, portable engine. The latter would cost in Bombay Rs. 3,900.

9. Probably a pair of horses sufficiently good might be picked up in Madras for Rs. 600 or 700. The cost of keep would be about Rs. 50 per month, which would be much cheaper than the cost of working an engine; but the engine would last for many years, and there is always the change of horses falling sick, and of course a pair purchased cheap would not be young animals.

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 21st March 1884, No. 159 E.W.

In reply to your memorandum of 11th January 1884, No. 47 C., I have the honor to state that the engine from the Lawrence Asylum was not moved to the Lake brickfield because it appeared from experience in working the brick-making machine that that engine would not be powerful enough and that it would be useless making the experiment; but if you wish it, it shall be done.[1] The Lawrence Asylum engine is only 6 horse-power,* while the machine would probably need a 10 horse-power engine to work it efficiently.

1 Copy of letter, No. 603, of 10th March, from the Executive Engineer, Nílgiri division.

* *Vide* paragraph 10 of my letter, No. 147 E.W., of 12th instant.

From the same officer, dated Coimbatore, 24th March 1884, No. 166 E.W.

In continuation of my letters, Nos. 147 and 159, of 12th and 21st instant, respectively, I have the honor to forward a further report in regard to working the brick-making machine and the necessity for purchasing a steam engine for use at the Lake brickfield, Ootacamund.

ENCLOSURE.

From J. C. LARMINIE, Esq., Executive Engineer, Nílgiri Division, to the Superintending Engineer, IV Circle, dated Ootacamund, 19th March 1884, No. 616.

In continuation of my letter, No. 603, of 10th instant, I have the honor to state that after further consideration of the question, I believe that, all things considered, it will, in the long run, be more satisfactory to at once procure a 10 horse-power, double cylinder, portable engine for the Lake brickfield. Such an engine, working for a couple of months, would, through the brick-machine, turn out enough bricks for an ordinary season's requirements, and it might then be used for any other work, *e.g.*, to drive a stone-crushing machine, which could, I should think, be most economically employed here now that Government are giving annual grants for the various ghât roads. I can hardly say that I have made a trial with horses. I procured a pair from Mr. Browne and, after some little difficulty, succeeded in getting them to work the brick-machine while empty. When first put in they plunged away, breaking the harness.

I was unable to continue the trial owing to the unsound and rotten state of the harness, which, after the brick-machine was loaded with clay, would not stand the strain. Mr. Browne cannot supply any other. Should it be thought worth-while making a more satisfactory trial, perhaps it would be possible to get the loan of a pair of artillery horses and their harness, which ought to be strong enough for the purpose. The only harness required in addition to head gear, would be the collars and traces.

ORDER—dated 2nd April 1884, No. 906 W., Public Works.

The Government regret to observe that the brick-making operations at Ootacamund have, so far, not proved very satisfactory. It is hoped that further efforts, under close supervision, will bring about some improvement in the quality of the bricks turned out.

2. It is suggested that Mr. Seager, who was so successful with the Lawrence Asylum and Kandal brickfields, should, with the concurrence of the President of the municipality under whom he is now employed, be induced to accept service in the Public Works Department, when his practical knowledge of brick-making at Ootacamund could be utilised.

3. The 6 horse-power engine at the Lawrence Asylum should be at once obtained, and used to the best advantage. Seeing that it is proposed to work the machine by means of *two* horses, it is not understood why a 6 horse-power engine should be considered inadequate. Further information on this point seems necessary. It should also be reported whether water-power cannot be utilised.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
" General Superintendent, Public Works Stores.

GENERAL.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 2nd.

Recd. *Encl.*

G.O., 2nd Aoril 1884, No. 906 W.

APRIL.

Brick-making Operations at Ootacamund

Passing orders regarding the —

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following letter from Major J. L. L. MORANT, R.E., Officiating Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Madras, 2nd April 1884, No. 5 :—

I have the honor to forward, for your approval and submission to the Secretary of State for India, an indent for rolled iron girders for the ophthalmic hospital to be erected at Madras.

Indent in triplicate.
1 Tracing.

Order—dated 2nd April 1884, No. 908 W., Public Works.

The indent will be forwarded to the Secretary of State for India for early compliance.

(Here enter No. $\frac{8}{908 \text{ W.}}$, dated 2nd April 1884.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Consulting Architect to Government.
„ General Superintendent, Public Works Stores.

GENERAL.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 2nd.

Recd. *Encl.*

G.O., 2nd April 1884. No. 908 W.

APRIL.

Rolled Iron Girders for the Ophthalmic Hospital, Madras

Forwarding an indent on the Secretary of State for India for —

PUBLIC WORKS DEPARTMENT.

Letter—to

The Right Honorable the SECRETARY of STATE for INDIA.

My Lord,

We have the honor to forward, for favor of early compliance, an indent for rolled iron girders required in the construction of a new ophthalmic hospital at Madras.

We have the honor to be,
My Lord,
Your Lordship's most obedient, humble servants,

(Signed) M. E. GRANT DUFF.
(„) FRED. ROBERTS.
(„) H. E. SULLIVAN.
(„) C. G. MASTER.

(True Copy.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

Fort St. George,
2nd April 1884.

GOVT. OF MADRAS.

PUBLIC WORKS DEPARTMENT.

(Copy.)

LETTER to the Right Honorable the Secretary of State for India.

No. $\frac{8}{908\ W.}$, dated 2nd April 1884.

Forwarding an indent for rolled iron girders for the ophthalmic hospital, Madras.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from the Venerable J. F. BROWNE, Archdeacon of Madras, to the Chief Secretary to Government, dated Madras, 20th March 1884, No. 989:—

1. Letter from the lay trustees, Christ church, Cuddapah.
2. Letter from the lay trustees, to the Executive Engineer.
3. Letter from Executive Engineer, with design of lectern.

I have the honor to submit, for the favorable consideration of Government, a letter from the lay trustees of Christ church, Cuddapah, asking that they may be supplied with a lectern and lights for the same.

2. According to Public Works Department Code, paragraph 1259, these articles are included in the list of furniture to be supplied, but I observe the sum asked for is Rs. 9 in excess of the maximum cost allowed.

No. 735, Ecclesiastical.

Transferred to the Public Works Department.

Fort St. George,
31st March 1884.

(Signed) E. F. WEBSTER,
Chief Secretary.

Order—dated 3rd April 1884, No. 913 W., Public Works.

The Superintending Engineer, III Circle, will arrange to supply the Cuddapah church with a lectern and candlesticks, at a cost not exceeding the limits prescribed in paragraph 1259 of the Public Works Code.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, III Circle, with four enclosures.
" Ecclesiastical Department.
" Examiner, Public Works Accounts.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 3rd.

Recd. *Encl.*

G.O., 3rd April 1884, No. 913 W.

APRIL.

Christ Church, Cuddapah.

The Superintending Engineer, III Circle, directed to supply the —, with a lectern and candlesticks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following papers :—

From Lieutenant-Colonel H. M. VIBART, R.E., Officiating Superintending Engineer, III Circle, to the Chief Engineer, Public Works Department, dated Bellary, 27th February 1884, No. 3205.

I have the honor to submit, for sanction of Government, an estimate, amounting to Rs. 5,663, for constructing a collar-makers' and wheelers' shop for the Royal Artillery at Bellary, after the standard design dated June 1865.

2. The officer commanding the battery states that there is no necessity for a new gun-shed as originally proposed.

3. This work is entered as item No. 13 under class B works in the budget for 1884-85, and estimate for the same was called for in paragraphs 4 and 5 of G.O., No. 3644 W., dated 19th December 1883.

From the Superintending Engineer, III Circle, dated 19th March 1884, No. 3312.

No. 762 C., Public Works.

Submitted for the approval of Government in the Military Department.

CHEPÂK,
27th March 1884.

(Signed) J. SHAW-STEWART, Col., R E.,
Chief Engineer, P.W.D.

No. 1571, Military.

Approved.

FORT ST. GEORGE,
28th March 1884.
To the Public Works Department.

(Signed) A. R. KENNEY-HERBERT, Lieut.-Col.,
Offg. Secretary to Government.

ORDER—dated 3rd April 1884, No. 914 W., Public Works.

The estimate, amounting to Rs. 5,663, for constructing a collar-makers' and wheelers' shop for the Royal Artillery at Bellary, is sanctioned, for execution when funds are available.

2. The work is entered as item 13, class C (not class B, as stated by the Superintending Engineer) in the preliminary issue of the Imperial military works budget for 1884-85.

3. This sanction has been registered as Imperial Ordinary No. 1 W. of 1884-85, and classified as Military Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, III Circle, with estimate.
" Examiner, Public Works Accounts, with duplicate estimate.
" Military Department.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 3rd.

Recd. *Encl.*

G.O., 3rd April 1884, No. 914 W.

APRIL.

Collar-makers' and Wheelers' Shop at Bellary

Sanctioning an estimate of Rs. 5,66[illegible] for constructing a — for the Royal Artillery.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following letter from G. H. W. WALKER, Esq., Officiating Under Secretary to the Government of India, Public Works Department (General), to the Secretary to the Government of Madras, Public Works Department, dated Fort William, 18th March 1884, No. 018 G.:—

In reply to your letter, No. 560 W., dated 1st March 1884, I am directed to communicate sanction to the continued employment, as a temporary engineer on Rs. 300 per mensem, of Mr. A. L. Pogson for a further period of one year with effect from the 17th May 1884.

2. Referring to your paragraph 2, I am to point out that an authorised scale of temporary establishment is not recognised. Each sanction is for one or a group of temporary engineers whose names and qualifications are reported when applying for sanction to entertain them, and whose appointments are sanctioned for a specific time not exceeding one year and for a specific work. I am to request that the particular work on account of which Mr. Pogson's services are required may be specified, and that this procedure may be followed in subsequent applications for sanction to temporary engineers.

Order—dated 3rd April 1884, No. 916 W., Public Works.

Communicated to the Superintending Engineer, IV Circle, and to the Examiner, Public Works Accounts.

2. The Government of India will be addressed in respect to paragraph 2.

(Here enter No. 917 W., dated 3rd April 1884.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
" Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 3rd.

Recd. *Encl.*

G.O., 3rd April 1884, No. 916 W.

APRIL.

Mr. A. L. Pogson, Temporary Assistant Engineer

Letter from the Government of India, sanctioning the employment of —, for a further period of one year from 17th May 1884, communicated to the Superintending Engineer, IV Circle, and Examiner of Public Works Accounts.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

LETTER—from

COLONEL J. SHAW-STEWART, R.E.,

Secretary to the Government of Madras,

Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

PUBLIC WORKS DEPARTMENT.

SIR,

Adverting to paragraph 2 of your letter, No. 018 G., dated 18th March 1884, I am directed to forward, herewith, a statement showing the temporary divisions which have been constituted in this Presidency; proposals regarding which have, from time to time, been laid before the Government of India, as will be seen on reference to the correspondence quoted in the margin. The names of the temporary officers, with rates of pay specially sanctioned by the Government of India, for carrying on the work of these divisions, are also included.

Letter to the Government of India, No. 2592 W., dated 4th October 1882.
Letter to the Government of India, No. 1132 W., dated 16th April 1883.
Letter to the Government of India, No. 2675 W., dated 24th September 1883.
Letter to the Government of India, No. 12 I., dated 7th January 1884.

2. His Excellency the Governor in Council does not understand that it is the intention of the Government of India to insist on the employment of these officers in any particular division; but that the work to be done shall be entrusted to officers most competent to carry it on, whether those officers are on the temporary or permanent establishment. Any other arrangement would, His Excellency the Governor in Council is convinced, be productive of the greatest inconvenience; especially when, as at present, it is not always possible to obtain temporary engineers with the special qualifications requisite for elaborating important projects.

3. The temporary divisions have thus, in great measure, been officered by selections from the permanent establishment, the temporary engineers specially sanctioned replacing them in permanent divisions. The allocation of temporary engineers in the accompanying statement is made with a view of exhibiting what may be regarded as the sanctioned, as compared with the existing, arrangements; column 5 showing the division in which each officer is actually employed.

4. Should these arrangements be formally approved, a basis for future working will have been established sufficient to satisfy the requirements of audit; while the Government will be free to officer the temporary divisions by those best qualified for the duties to be performed in each case.

5. I am to request the early sanction of the Government of India to these proposals.

6. Application for formal sanction to fill up the appointments still open will be made as soon as suitable officers can be found.

I have the honor to be,

Sir,

Your most obedient servant,

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

FORT ST. GEORGE,
3rd April 1884.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 3rd.

Recd. *Encl.*

3rd April 1884, No. 917 W.

APRIL.

Temporary Divisions

Forwarding statement showing the — constituted in this Presidency and requesting sanction to the arrangements made for officering them.

Appendix to letter, No. 917 *W., dated* 3*rd April* 1884.

Temporary Engineer Establishment.

Temporary Divisions.			Name of officer sanctioned by the Government of India.	Salary.	Reference to Sanction.	Present Posting.	Remarks.
1			2	3	4	5	6
		RS.		RS. A. P.			
Godávari Central	1 E.E.,	800	Mr. H. Wilks.	800 0 0	Letter, No. 1383 G., dated 20th October 1883; G.O., No. 3269 W., dated 16th November 1883.	Negapatam division.	Permanent division.
Do.	1 A.E.,	350	,, A. Cruse ..	350 0 0	Letter, No. 579 G., dated 21st April 1883; G.O., No. 1314 W., dated 5th May 1883.	West Godávari.	Do.
Rushikulya	1 E.E.,	650	,, J. Tritsch.	650 0 0	Letter, No. 1578 G., dated 14th December 1883; G.O., No. 3688 W., dated 22nd December 1883.	C. Project.	Do.
Do.	1 A.E.,	450	,, W. Mathews.	350 0 0	Letter, No. 29 G., dated 7th January 1884; G.O., No. 99 W., dated 14th January 1884.	East Godávari.	Do.
Do.	1 A.E.,	350	,, A. Pogson.	300 0 0	Letter, No. 680 G., dated 7th May 1883; G.O., No. 1455 W., dated 19th May 1883.	B. Project.	Do.
Gudiváda	1 E.E.,	550	,, J. Lafrenais.	350 0 0	Letter, No. 1428 G., dated 30th October 1883; G.O., No. 3177 W., dated 10th November 1883.	Rushikulya.	Temporary division.
Do.	1 A.E.,	450	....	....	....	....	....
Barur	1 E.E.,	550	....	....	....	....	....
Cauvery and Vénnar Regulators.	1 E.E.,	550	....	....	....	....	....
Tank No. 1	1 E.E.,	650	Mr. R. Walnutt.	772 14 8	Letter, No. 288 G., dated 5th March 1884; G.O., No. 667 W., dated 12th March 1884.	No. 1 Tank.	Temporary division.
Do.	1 A.E.,	450	,, L. deClosets.	200 0 0	G.O., No. 443 W., dated 19th March 1884.	Do.	Do.
Tank No. 2	1 E.E.,	650	....	....	....	....	....
Do.	1 A.E.,	450	....	....	....	....	....

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper:—

Proceedings of the Board of Revenue, dated 22nd March 1884, No. 1041.

Read—the following letter from W. H. GLENNY, Esq., Collector of Kurnool, to the Secretary to the Board of Revenue, dated 19th March 1884, No. 1-Z.

Some of the contractors working on the Bellary-Kistna State Railway have been asking me whether I am disposed to sell them some of the serviceable famine tools of which we have such large quantities. I strongly recommend that we should sell as many of these tools as we can get a fair price for. If the Board agree with me, I have the honor to ask them to suggest to Government that orders by telegram should be sent direct to Captain Jackson, Executive Engineer, Kurnool, who has charge of all the tools, directing him to sell as many as he can dispose of at what he considers a fair price. After the disposal of all that we are likely to be able to sell, more would remain than we are likely ever to want in the event of another famine.

Resolution—dated 22nd March 1884, No. 1041.

Submitted for the orders of Government in the Public Works Department.

2. The Collector of Kurnool wishes to dispose of some famine tools to the Bellary-Kistna State Railway. In proceedings, dated 2nd March 1883, No. 590, the Board remarked that they are "strongly of opinion that it is a wise measure of precaution to retain these tools even at a considerable cost in case of emergency," and by G.O., dated 28th March 1883, No. 940 W., the tools were placed in charge of Executive Engineers who are held responsible for their custody. The Board adhere to their opinion expressed in March 1883.

(A true Copy and Extract.)

(Signed) G. MACKENZIE,
Acting Sub-Secretary.

ORDER—dated 4th April 1884, No. 920 W., Public Works.

The Government are not prepared to authorise the sale of the tools in question, which should be kept in store as directed in G.O., No. 940 W., dated 28th March 1883.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, III Circle.
„ Revenue Department.

GENERAL.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 4th.

Recd. *Encl.*

G.O., 4th April 1884, No. 920 W.

APRIL.

Famine Tools

Declining to authorise the proposed sale of some of the serviceable — in the Kurnool district.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

From the Government of India, Public Works Department (Account—General), to the Secretary to the Government of Madras, Public Works Department, dated Fort William, 14th March 1884, No. 103 A.G.

Annual Repair Estimates.

Read again—

Public Works Department Code, Chapter VII, Section iii.

Read also—

Letter, No. C. 3331, dated 26th October 1883, from Secretary to Government, North-Western Provinces and Oudh, Public Works Department.

Public Works Department letter, No. 20 A.G , dated 17th January 1884, to Secretary to Government, North-Western Provinces and Oudh, Public Works Department.

Resolution.—The procedure at present in force, under which the sanction to an annual repair estimate expires at the close of the official year, has been represented as causing inconvenience to the executive branch of the department; involving, as it frequently does, the preparation of two estimates and two completion reports instead of one for each work. In the case of estimates for collection of metal, and maintenance estimates generally, it would no doubt be convenient to allow them to remain current during the working season instead of lapsing in the middle of it. On the other hand, there is much in favor of the present system so far as it concerns the allotment of funds, and the regulation of gross expenditure, and any change in the present procedure would, in all probability, cause considerable inconvenience, in the first instance, to Superintending Engineers. The Government of India will, however, be glad to consider any proposal which would tend to relieve Executive Engineers of office work, without impairing financial control, and in this view the opinions of Local Governments and Administrations are invited whether any change in the direction suggested with regard to the preparation of maintenance estimates is desirable, and how far the Code rules on this subject are susceptible of improvement.

Order.—Ordered that the foregoing be communicated to the Local Governments and Administrations noted in the margin for information and guidance.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab, in the Public Works Department.
The Chief Commissioners of the Central Provinces, British Burmah, Assam, and Coorg.
The Resident at Hyderabad.
The Agents to the Governor-General for Central India, Rajputana, and Beluchistan.
The Inspector-General of Military Works.

(Signed) W. S. TREVOR, Colonel, R.E.,
Secretary to the Government of India.

ORDER—dated 4th April 1884, No. 921 W., Public Works.

Ordered that the following letter be sent to the Government of India :—

(Here enter No. 922 W., dated 4th April 1884.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

GENERAL.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 4th.

Recd. *Encl.*

G.O., 4th April 1884, No. 921 W.

APRIL.

Annual Repair Estimates

Regarding the proposed modification of the procedure under which sanctions to — expire at the close of the official year.

PUBLIC WORKS DEPARTMENT.

General.
Account.

LETTER—from

COLONEL J. SHAW-STEWART, R.E.,

Secretary to the Government of Madras,
Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

SIR,

I am directed to acknowledge the receipt of the resolution of the Government of India, No. 103 A.G., dated 14th March 1884, in which the opinions of Local Governments, are invited on the procedure under which the sanction to an annual repair estimate expires at the close of the official year.

2. In reply, I am to state that this question had already engaged the attention of the Madras Government; the inconvenience now found to exist in other parts of India having long been felt in this Presidency. The preparation of two estimates and two completion reports for the same work is now in great measure avoided by allowing repair estimates to remain current for three months after the end of the official year, *i.e.*, till the 1st July following.

3. The rules on the subject will be found in paragraphs 1149 and 1150 of the Madras Public Works Code, to which I am to invite attention.

I have the honor to be,
Sir,
Your most obedient servant,
(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

FORT ST. GEORGE,
4th April 1884.

GENERAL.
ACCOUNT.

Govt. of {1884} Madras:

PUBLIC WORKS.

Dated April, 4th.

Recd. *Encl.*

4th April 1884, No. 922 W.

APRIL.

Annual Repair Estimates

Regarding the proposed modification of the procedure under which sanctions to — expire at the close of the official year.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

G.O., dated 10th December 1883, No. 1014 I., Public Works.
G.O., dated 14th March 1884, No. 691 W., Public Works.

From Lieutenant-Colonel H. M. VIBART, R.E., Officiating Superintending Engineer, III Circle, to the Chief Engineer for Irrigation, dated Bellary, 19th February 1884, No. 3122 :—

With reference to your memorandum, No. 2-III., dated 15th February 1884, I have the honor to report that the investigation of the Sugglair project* will be completed by the 25th instant, and that the survey, &c., of Pedda Puspulla† irrigation channel is expected to be completed by 15th March next. The cost of establishment, including the Executive Engineer, his two surveyors and office establishment, will be about Rs. 700 for half-a-month.

* No. 16 in the list III printed with G.O., No. 465 of 13th June 1882.

† No. 19 in do. do. do.

2. I beg to recommend that, as soon as the Pedda Puspulla irrigation channel survey is completed, the surveyors now attached to the C. Project division should be employed in carrying out the levels in connection with the Bellary water-supply project.

3. This project is clearly a very important one, and if carried out this cantonment would be fully supplied with water throughout the year, whereas now during the months of April and May the reserved supply runs very short, and that from the large well is reduced to the lowest limit.

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer for Irrigation, dated Coimbatore, 21st February 1884, No. 21 E.I.

I have the honor to forward, herewith, copy of a letter from the Executive Engineer, B. Project division, giving the information asked for in your memorandum, No. 3-IV, of 15th instant.

2. I have received the preliminary report on the Krishnagiri project, which I shall forward for your information in a few days.

3. It will be seen that the Krishnagiri, Bhavâni, Calingaroyen (instead of Pugalúr) extension and the Gudamalai projects will remain incomplete at the end of this month, and that the cost of establishment, exclusive of Captain Romilly's pay and allowances, for next year will be Rs. 15,600.

ENCLOSURE.

From Captain F. J. ROMILLY, R.E., Executive Engineer, B. Project Division, to the Superintending Engineer, IV Circle, dated Coimbatore, 19th February 1884, No. 27 S.

I have the honor to reply to your endorsement, No. 17 B.P., dated 18th instant, on letter, No. 3-IV., dated 15th idem, from the Chief Engineer for Irrigation. The present is the state of the project investigation in my division.

Marandahully and Vannar Projects.—Reports complete and submitted.

Krishnagiri.—Reservoir basin contoured and 10 miles of trial channel lines run.

Preliminary report submitted with estimate for completely exposing the rock over the dâm site proposed. If the report is considered favorable there will be at least six months' work for the

survey parties in contouring the area to be irrigated, some 50,000 acres, and laying out the proper line for the distributaries.

Bhaváni Reservoir Scheme.—The contouring of the reservoir basin is complete, and I shall very shortly have data on which to draw up a preliminary report upon the scheme. An examination of the contoured plan shows that a third site promises to be a favorable one as compared with the two already proposed, and if figures support this idea, an examination of this site will be necessary.

If the preliminary report places the scheme in a favorable light and the complete working out of the project is decided on, the surveys of the area to be irrigated and the tracing of the distributaries will occupy the present establishment quite twelve months.

Pugalúr and Calingaroyen Channels.—The former project, it is presumed, need not be investigated further. For the Calingaroyen, nearly all the levels are taken in connection with the existing channel. About three months' work would suffice to complete investigations in connection with the present channel. If the extension is decided on, about six months more would suffice to complete the necessary levels and sections.

The Gudamalai project has not been touched.

If the present establishment is sanctioned for the next official year, I am of opinion that one of the three incomplete projects could be completed and sent in; one very nearly so, and both the remainder so far advanced that the additional time necessary to complete them could be definitely fixed for the succeeding official year.

The establishment and cost required will therefore be for 1884-85 :—

Permanent Establishment.

	RS.
1 Writer ...	32
1 Do. ...	15
1 Messenger ...	7
2 Lascars at Rs. 6 each ...	12
1 Draughtsman ...	60
1 Do. ...	40
1 Do. ...	35
Contingencies ...	49
Total ...	250

Temporary Establishment.

1 Assistant Engineer ...	300
Travelling allowance for Assistant Engineer ...	100
1 Overseer ...	60
1 Surveyor ...	250
2 Surveyors at Rs. 100 each ...	200
20 Lascars ...	120
Contingencies ...	20
Total ...	1,050
Total for one month ...	1,300
Total for twelve months ...	15,600

No. 68 I.

Note by the Acting Chief Engineer for Irrigation.

B. Project Division.—The Marandahully and Vannár projects have lately been submitted by this division, also a preliminary report of the Krishnagiri.

The other projects now on hand are—

The Bhaváni Reservoir.

The Calingaroyen Channel.

The first of these is a large undertaking. It is a project for the formation of a very extensive reservoir on the Bhaváni, near Satyamangalam, which will act as a flood regulator or rather moderator to the Cauvery, and also irrigate a considerable tract of country. Its thorough investigation will take a long time; probably, if no other work was done, it would employ the existing establishment to the end of the year.

The second is a scheme for extending the Calingaroyen channel which is to take the plan of the Pugalúr channel improvement. The Calingaroyen channel commands

the land irrigated by the Pugalúr channel and is capable of being extended across the Nóyel river to irrigate fresh land. It will probably take some months to complete and submit.

If the preliminary report on the Krishnagiri reservoir shows that there is sufficiency of water, and a probability of the work doing more than pay interest on the capital outlay, there will be some months' more work to be done.

2. *C Project Division.*—This division was intended to work in the Ceded Districts where more is required in famine preventive work than in other districts. The Hindupur and Roddem projects have been worked out and remain in this office; they do not promise well, and it is hoped some of the other small projects may be better worth carrying out.

The two projects now under investigation are—

The Sugglair Project.
The Pedda Puspulla Channel.

These will, it is anticipated, be completed shortly. It is then proposed to investigate the Bellary water-supply project, towards which it is understood that a good deal of work has been already done. This will certainly occupy the division for a considerable time, and if it should be completed before the end of the year, there are still many projects on the list which was forwarded to the Government of India which it is very desirable should be fully worked out, and which if they do not give promise of being remunerative may be retained as famine relief works.

3. It will thus be seen that there is ample work for both Project divisions for the ensuing year, and there are other works, which it was intended the divisions lately abolished should take up, which it is very desirable should be investigated. Foremost among these is the Lower Coleroon irrigation in which is included the embanking of the Coleroon from the lower anicut to the sea. So much trouble has arisen from the embankments on either side of the river being worked out in separate divisions, that work in the lower portion of the river has been suspended until an establishment is available to work out the scheme.

4. The cost of the B. Project division, including Executive Engineer's pay and travelling allowance, amounts to Rs. 24,000 per annum. The C. Project division is not at present so strong, but will be brought up to the same strength and the cost of both the divisions will therefore be Rs. 48,000.

CHEPÂK,
25th March 1884.

(Signed) J. O. HASTED, Colonel, R.E.,
Acting Chief Engineer for Irrigation.

To the Acting Joint Secretary to Government,
Public Works Department, Irrigation Branch.

ORDER—dated 4th April 1884, No. 924 W., Public Works.

The Government approve of the employment of the Project divisions as suggested by the Chief Engineer for Irrigation, and the cost of these divisions during the official year 1884-85 will accordingly be met from Provincial funds.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle.
,, ,, ,, III Circle.
,, ,, ,, IV Circle.
,, Chief Engineer for Irrigation.
,, Examiner, Public Works Accounts.
,, Revenue Department.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 4th.

Recd. *Encl.*

G.O., 4th April 1884, No. 924 W.

APRIL.

Project Divisions

Approving of the employment of the — during 1884-85 as suggested by the Chief Engineer for Irrigation, the cost of the divisions being met from Provincial funds.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following letter from D. C. GORDON, Esq., Examiner of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 1st April 1884, No. 1 W.:—

I have the honor to submit, for information and orders of Government, notes by Mr. Rainier, Deputy Examiner, of his inspection of the office of the Buckingham Canal division.

Paragraph 7.—The contractors' ledger must be more carefully posted. The question of the adequacy of the security money furnished by Messrs. Masters and Company should be considered by the Superintending Engineer.

Paragraph 8.—This should have the Executive Engineer's attention.

ENCLOSURE.

Notes of inspection by H. RAINIER, Esq., Deputy Examiner, Public Works Accounts, Madras, of the office of the Executive Engineer, Buckingham Canal division, on the 28th March 1884.

The Executive Engineer is Major R. R. E. Drake-Brockman, R.E., and the accountant, C. Bhoojanga Row.

2. The office was last inspected by an Accounts officer on the 9th April 1883, *vide* papers printed with G.O., No. 1166 W., of 18th April 1883.

3. The sub-divisional disbursing arrangements remain the same. The sub-divisional offices are regularly inspected by the Executive Engineer. The balance of the Executive Engineer's *drawing account* at the end of February was, as far as possible, proved correct, but the *treasury pass book* was not available for examination. This book should, unless and until it is required to have it written up, be with the Executive Engineer (Code paragraph 1882). When notice is received of an impending inspection of the Executive Engineer's office, arrangements should be made to have the *pass book* ready for the inspecting officer's perusal.

4. *Imprest accounts* in order. *Sub-divisional cash accounts* come up regularly. These should be audited *by the accountant*, and not by any clerk, and they should bear indication (initials and date) of such audit, as also should vouchers in support.

5. The *cash-book* is well kept. *Miscellaneous receipts* should be promptly paid into the treasury. *The cash absract* is regularly posted.

6. The *works accounts* were found in order except that a clerical error or two in the *register of works* shows the need of a little more care on the part of the accountant in supervising this book. The materials at site of works aggregate Rs. 38,275, placed at twelve works, and all being, it was said, of good value and well looked after.

7. *Contractors' accounts* are kept according to rule, but the *contractors' ledger accounts* are not neat and show frequent unacknowledged corrections. The security deposit of Messrs. Masters and Company for a contract of nearly a lakh of outlay (improvements to the Madras basin, outlay to end of February Rs. 63,748) seems small at Rs. 1,000 only. There is no disputed account and no very old balance.

8. *Tools and plant* accounts are in order. Steps have been taken to clear the list of instruments and tools of all unnecessary articles. As regards *floating plant* arrangements should be made to bring all the canal fleet on to the books, each boat at its proper value, which will be chargeable with a yearly depreciation. An account should also be kept of maintenance and working expenses of these boats, such being debited, and income derived being credited, the balance whether profit or loss, being credited to revenue or debited to plant, as the case may be. This will place the Executive Engineer in a position to respond to the requirements of G.O., No. 988 I., of 4th December 1883, see also G.O., No. 662 I., of 26th August 1878.

9. Of *tolls*, *license fees*, and other similar income, there are no less than five registers, whereas one (kept as explained to the accountant) might be found to suffice.

10. Subject to these few remarks the office is in very good order, and the one or two points noticed in last report have had attention.

11. The accountant is liberally assisted.

Order—dated 5th April 1884, No. 932 W., Public Works.

Communicated to the Superintending Engineer, V Circle, for the information and guidance of the Executive Engineer, Buckingham Canal division.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 5th.

Recd. *Encl.*

G.O., 5th April 1884, No. 932 W.

APRIL.

Inspection

Notes of — of the Buckingham Canal division office, submitted by the Examiner, Public Works Accounts, communicated to the Superintending Engineer, V Circle,

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From the Venerable J. F. BROWNE, Archdeacon of Madras, to the Chief Secretary to Government, dated Madras, 20th March 1884, No. 990.

I have the honor to submit, for the favorable consideration of Government, a letter from Reverend D. G. Clarke, Chaplain of St. Thomas' Mount, and in charge of Pallávaram, enclosing estimate for the purchase of some, and repair of other, kneeling benches for St. Stephen's church at Pallávaram.

2. The estimate amounts to Rs. 106, which I trust the Government may see fit to sanction.

ENCLOSURE.

From Reverend D. G. CLARKE, Chaplain of St. Thomas' Mount, with charge of Pallávaram, to the Venerable the Archdeacon of Madras, dated St. Thomas' Mount, 13th March 1884.

I have the honor to enclose an estimate, amounting to Rs. 106, for supplying Pallávaram church with kneeling benches, and I trust that you will be so good as to ask Government to sanction the cost of these very necessary helps to reverence and devotion.

No. 728, Ecclesiastical.

Transferred to the Public Works Department.

(Signed) E. F. WEBSTER,
Chief Secretary.

29th March 1884.

ORDER—dated 5th April 1884, No. 933 W., Public Works.

The estimate will be forwarded to the Superintending Engineer, V Circle, for sanction and execution from the Provincial minor works grant to the Chingleput division.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle, with estimate.
" Examiner, Public Works Accounts.
" Ecclesiastical Department.

BUILDINGS AND ROADS.
• CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 5th.

Recd. *Encl.*

G.O., 5th April 1884, No. 933 W.

APRIL.

St. Stephen's Church, Pallavaram

An estimate for the purchase of some, and repair of other, kneeling benches for —, forwarded to the Superintending Engineer, V Circle, for sanction and execution.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From Colonel T. E. TENNANT, Inspector-General of Jails, to the Chief Secretary to Government, dated Madras, 5th February 1884, No. 39.

I have the honor to submit, for the approval and sanction of Government, the accompanying plans and estimates for the following works at Rajahmundry.

2. The first estimate, amounting to Rs. 4,000, is for making certain improvements to the residence of the Superintendent of the Central Jail. The second estimate of Rs. 1,640 is for constructing a police guard-room at the District Jail, Rajahmundry.

3. The sum of Rs. 4,520 for these works has been entered in the Provincial budget estimate for 1884-85, registered item No. 56.

4. The present accommodation in the Superintendent's house is very inadequate for a married man with a family. It is proposed to add an upper story to the house, as has been done at Trichinopoly. The house at Rajahmundry was commenced whilst Surgeon-Major Bilderbeck was Superintendent, and, as is generally the case with amateur builders, the money was finished but not the work. What is now required is a bed-room with dressing and bath-rooms on an upper story. These necessary additions and alterations I trust will be sanctioned by Government.

5. The second estimate, Rs. 1,640, is for constructing a police guard-room at the district jail. At present the police occupy one of the prison wards inside the jail. This arrangement is not only objectionable on disciplinary grounds, but the accommodation in the jail is so limited that the ward is required for prisoners. Moreover, it is not desirable or safe to have the police with their arms located inside a jail. I propose to construct the guard-room outside the jail as shown in the plan.

No. 266.

Transferred to the Public Works Department.

(By Order.)

(Signed) M. HAMMICK,
Acting Assistant Secretary.

8th February 1884.

No. 367-C.

Forwarded to the Superintending Engineer, I Circle, for his countersignature to the plan and estimate for improvements to Jail Superintendent's residence if approved.

(By Order,)

(Signed) C. BOWEN, Major, R.E.,
Under Secy. to Govt., P.W.D.

From G. T. WALCH, Esq., Officiating Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 26th March 1884, No. 3705 G.D.

Chief Engineer's No. 367 C, dated 14th February 1884, with six enclosures.

* Rs. 4,120.

With reference to your endorsement, No. 367 C., dated 14th February 1884, I have the honor to return herewith, duly countersigned, the plan and estimate * for improvements to the Jail Superintendent's residence at Rajahmundry.

2. The estimate for the above work, as submitted by divisional officer, amounted to Rs. 4,000; this amount is now increased by Rs. 120 owing to dimensions of windows having been altered as requested by Inspector-General of Jails and to some of the scantlings of timbers which appeared too light having been increased.

3. The plan and estimate for police guard-room are also submitted herewith.

ORDER—dated 5th April 1884, No. 934 W., Public Works.

The undermentioned estimates are sanctioned :—

	Amount of Estimate.	Register No.	Classification.
(1) Improvements to the Jail Superintendent's residence at Rajahmundry ...	Rs. 4,120.	Provl. No. $\frac{2\text{ W.}}{1}$ of 1884-85.	Civil Buildings, Original Works.
(2) Constructing a police guard-room at the District Jail, Rajahmundry ...	Rs. 1,640.	Provl. No. $\frac{2\text{ W.}}{2}$ of 1884-85.	Do.

2. A sum of Rs. 4,520 has been provided for these works in the Provincial budget for 1884-85. The Superintending Engineer, I Circle, will, if necessary, apply for the balance later in the year.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle, with four enclosures.
" Examiner, Public Works Accounts, with abstract estimate.
" Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 5th.

Recd. *Encl.*

G.O., 5th April 1884, No. 934 W.

APRIL.

Central and District Jails at Rajahmundry

Estimates for improvements to the residence of the Superintendent of the former, and for constructing a police guard-room at the latter, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following letter from E. C. JOHNSON, Esq., Acting Agent to the Governor in Vizagapatam, to the Chief Secretary to Government, dated Vizagapatam, 19th March 1884, No. 224.

I have the honor to state that the construction of the buildings for a taluk office, &c., at Paderu, sanctioned in G.O., No. $\frac{1435 \text{ W.}}{\text{A}}$, dated 17th May 1883, has not been undertaken this year for want of proper supervision, and the allotment, *i.e.*, Rs. 2,000, sanctioned for the buildings will lapse at the end of this year. I therefore request that you will obtain sanction for re-allotment of funds (*i.e.*, Rs. 2,000) for the next official year.

2. In anticipation of sanction I have made arrangements for commencing the work at an early date.

No. 707, Judicial.

Transferred to the Public Works Department.

(By Order.)

MADRAS,
27th March 1884.

(Signed) M. HAMMICK,
Acting Assistant Secretary.

ORDER—dated 5th April 1884, No. 935 W., Public Works.

A sum of Rs. 2,000 is appropriated from the Provincial reserve with Government for constructing a taluk office at Paderu, sanctioned in G.O., No. $\frac{1435 \text{ W.}}{\text{A}}$, dated 17th May 1883, and the amount placed at the disposal of the Agent to the Governor at Vizagapatam, under whose supervision the work is being carried out.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle.
,, Examiner, Public Works Accounts.
,, Judicial Department.

GENERAL.
ACCOUNT.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated April, 5th.

Recd. *Encl.*

G.O., 5th April 1884, No. 935 W.

APRIL.

Taluk Office at Paderu

Rs. 2,000 appropriated from the Provincial reserve and placed at the disposal of the Agent to the Governor at Vizagapatam for constructing a —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following letter from J. W. RUNDALL, Esq., Superintending Engineer, II Circle, to the Chief Engineer, Public Works Department, dated Camp, Bezváda, 18th March 1884, No. 3207 K.S. :—

In annexing copy of a letter received from the Deputy Collector of the Kistna, I have the honor to request orders as to whether it is necessary to supply this officer with the information he has called for.

2. Full information regarding the cost of Public Works establishment is embodied in the Public Works accounts. Is it necessary that the time of our establishment should be occupied by compiling statements for embodiment in the Collector's administration reports, when all the figures will be published elsewhere?

Enclosure.

From B. RAJA RAO, Deputy Collector, in charge of the Treasury, Kistna District, to the Superintending Engineer, II Circle, dated Masulipatam, 13th March 1884, No. 854.

I have the honor to request that you will be so good as to furnish me, by 10th of next month, with a statement of expenditure incurred on account of salaries of all establishments of the Public Works Department in the Eastern and Western divisions of the districts during the official year 1883-84 to be embodied in the Revenue Administration Report.

Order—dated 5th April 1884, No. 936 W., Public Works.

The Government consider that the time of Public Works establishments should not be taken up with the preparation of statements of the kind referred to.

2. The Treasury Deputy Collector should not, moreover, have addressed the Superintending Engineer on the matter. If information is required, it should be applied for through the Collector.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, II Circle.
" Revenue Department.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 5th.

Recd. *Encl.*

G.O., 5th April 1884, No. 936 W.

APRIL.

Correspondence

Passing orders on — relating to the requisition of the Treasury Deputy Collector, Kistna, for certain statements from the Superintending Engineer, II Circle, for embodiment in the Revenue Administration Report.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following letter from J. W. RUNDALL, Esq., Superintending Engineer, II Circle, to the Chief Engineer for Irrigation, dated Masulipatam, 29th February 1884, No. 3033 K.S. :—

I have the honor to forward, herewith, an estimate for the salary of a surveyor proposed to be employed under the orders of the Executive Engineer, Kistna Eastern division, in completing revised estimates of the Ellore canal branches and drainages and other works, and request that the same may be sanctioned against the provision of Rs. 33,000 for survey establishment included in the Kistna delta completion estimates, *vide* appendix D to G.O., No. 182 I., of the 28th February 1882.

1 Estimate in duplicate.

2. I propose to employ the surveyor from the 1st April next.

3. A special allotment to pay for this surveyor will have to be arranged from the grant for the Kistna completion estimates for 1884-85.

4. I will, early in next year, report the item from which funds can be surrendered to cover the cost of the surveyor.

Endorsement on the above.

No. 31 E.W.

Forwarded to the Chief Engineer, Public Works Department, with a recommendation that the survey establishment, applied for, may be sanctioned against the budget provision for temporary establishment for 1884-85 under Provincial Funds.

CHEPÂK,
2nd April 1884.

(Signed) J. O. HASTED, Colonel, R.E.,
Acting Chief Engineer for Irrigation

ORDER—dated 5th April 1884, No. 937 W., Public Works.

Sanctioned as shown in the margin.

One surveyor on Rs. 80, for 12 months.
Six lascars on Rs. 6, for 8 months.

2. The charge will be met from the provision for temporary establishment in the Provincial budget for 1884-85.

3. This sanction has been registered as Provincial No. 3 W., of 1884-85, and classified as Establishment, Temporary.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, II Circle.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 5th.

Recd. *Encl.*

G.O., 5th April 1884, No. 937 W.

APRIL.

Survey Establishment.

Sanctioning a — for completing revised estimates of Ellore canal branches and drainages, &c., Kistna Eastern division.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following papers :—

From Brigadier-General R. C. STEWART, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 15th March 1884, No. 1729.

With reference to paragraph 4 of O.G. No. 483 W., dated 21st February 1884, communicated in Military Department O.G., No. 1033, dated 1st March 1884, I have the honor, by order, to forward for sanction and transfer to the Public Works Department for disposal the estimates and plans below mentioned, which have been approved by the Commander-in-Chief. The plans and estimates have been countersigned :—

I. Plan and estimate, amounting to Rs. 8,325, for additions to the military prisons at Bangalore. The necessity for this work was explained in correspondence printed in O.G., No. 6575, dated 7th December 1882.

II. Plan and estimate, amounting to Rs. 4,773, for constructing quarters for apothecary attached to the north station hospital at Bangalore. This work was sanctioned in O.G., No. 6588, dated 5th December 1883.

No. 1314.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

Fort St. George,
17th March 1884.

(Signed) A. KENNEY-HERBERT, Lieut.-Col.,
Offg. Secy. to Govt., Mily. Dept.

From Colonel H. L. PRENDERGAST, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 28th March 1884, No. 4527.

In returning the enclosures of your memorandum, No. 754 C., dated 26th instant, I have the honor to explain that the estimate of Rs. 5,300, sanctioned in G.O., No. 3385 W., dated 27th November 1883, is for quarters for the apothecary of the north station hospital at Bangalore. The enclosed estimate of Rs 4,773 is for quarters for the assistant apothecary of the same hospital. The necessity of providing quarters for both an apothecary and an assistant apothecary is shown in paragraph 3 of the Quartermaster-General's letter in G.O., No. 3218 W., dated 13th November 1883.

1 Letter No. 1729, dated 15th March 1884, from Quartermaster-General to Secretary to Government, Military Department.
2 Detailed estimates.
4 Abstract estimates.
2 Plans.
2 Reports.

Note by the Chief Engineer, Public Works Department.

The plans and estimates are submitted for the sanction of Government.

2. With regard to the assistant apothecary's quarters, it is suggested that the window at A on the plan be moved to centre of the main room, and that the kitchen be placed in front, and the servants' rooms in rear, in the small block of out-houses.

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secy. to Govt., P.W.D.

4th April 1884.

Order—dated 5th April 1884, No. 938 W., Public Works.

The undermentioned estimates are sanctioned for execution when funds are available :—

	Amount of Estimate. RS.	Register Number.	Classification.
(1) Additions to the military prison at Bangalore ...	8,325.	Imperial No. 2 W., of 1884-85.	Military, Original Works.
(2) Constructing quarters for the assistant apothecary, north station hospital, Bangalore ...	4,773.	Imperial No. 3 W., of 1884-85.	Do.

2. The attention of the Superintending Engineer, V Circle, is called to the suggestions in the Chief Engineer's note above recorded.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle, with eight enclosures.
" Examiner, Public Works Accounts, with two duplicate abstract estimates.
" Military Department.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated April, 5th.

Recd. *Encl.*

G.O., 5th April 1884, No. 938 W.

APRIL.

Military Prison and North Station Hospital at Bangalore

Estimates for additions to the former and for quarters for the assistant apothecary of the latter, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From Major R. A. SARGEAUNT, R.E., Officiating Under Secretary to the Government of India, Public Works Department (Railway Construction), to the Secretary to the Government of Madras, Public Works Department, dated Fort William, 14th March 1884, No. 212 R.C.

I am directed to acknowledge the receipt of your letter, No. 3419 W., of the 30th November 1883, on the subject of the necessity for special legislation for the prevention of risk to life and property arising from neglect on the part of proprietors of private irrigation works.

2. In reply, I am to state that His Excellency the Viceroy and Governor-General in Council desires to leave the question of legislation in the hands of the Government of Madras, as it does not at the present time appear desirable that such legislation should be general for the whole of India.

ORDER—dated 7th April 1884, No. 943 W., Public Works.

The papers will be transferred to the Legislative Department, with a view to the necessary action being taken; the principles laid down by the Government of India, in their letter, No. 917 R.C.,* dated 12th October 1883, being followed so far as possible.

* G.O., No. 3418 W., dated 30th November 1883.

2. Meanwhile, in the opinion of His Excellency the Governor in Council, the Madras Railway Company should follow the course prescribed in the Proceedings of Government, dated 15th June 1882, No. 379 R., by applying to the Civil District Court for an injunction to compel the Zemindar of Kárvetnagar to execute all necessary and reasonable repairs to the tanks which are said to endanger the line of railway.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Consulting Engineer for Railways.
„ Legislative Department, with papers as specified, viz.—
Notes by Honorable Members.
G.O., No. 379 R., $\frac{379\text{ R.}}{\text{A}}$, dated 15th June 1882.
„ 556 R., dated 7th September 1882.
„ 873 R., dated 16th August 1883.
„ 1005-6 R., dated 19th September 1883.
„ 3418-19 W., dated 30th November 1883.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS

Dated April, 7th.

Recd. *Encl.*

G.O., 7th April 1884, No. 943 W.

APRIL.

Madras Railway

Ruined tanks in the Kárvetnagar Zemindari which threaten danger to the —. The Company advised to apply to the Civil District Court for an injunction to compel the Zemindar to execute repairs to the —, and papers transferred to the Legislative Department with a view to special legislation.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

No. 2600 T.J.

Report by the Superintending Engineer, VI Circle, on the revised estimate for constructing a first-class division office at Tanjore, Estimate Rs. 11,925.

1 Plan (sent separately).
2 General abstract estimates.
1 Detailed estimate.
1 Comparative statement.
1 Site plan.

An estimate, amounting to Rs. 10,835, was sanctioned for this work in G.O., No. 2822 W., of 14th November 1881, but a revised estimate is found necessary owing to (1) the change of the site, (2) the rise in the price of teakwood, and (3) the necessity for providing a latrine.

2. With regard to the site first selected was found to have old graves on it, and therefore the site had to be changed ; this has not only caused an excess in the shape of compensation for a slight increased area and for the existing wells but also caused an excess in the foundation, the soil being red loam. With regard to the second, the lapse of time between the preparation of estimate and that of the construction of the building has increased the price of the teakwood a great extent, which is explained in this office No. 1451 T.J. of 22nd October 1883.

3. There being a good hedge around the present site, the design for the compound wall was altered, which has caused a saving of Rs. 150.

4. The excess over the sanctioned estimate is Rs. 1,090 which may be classed as follows :—

	RS.
Excess in compensation	141
Do. in foundation	363
Do. in woodwork	633
Constructing a latrine	117
Total ...	1,254

But this was reduced to Rs. 1,090 by the saving effected in the construction of the compound wall and in contingencies.

5. The revised estimate, amounting to Rs. 11,920, is recommended for sanction.

Trichinopoly,
27th March 1884.

(Signed) H. R. MEAD, Lieut.-Col., R.E.,
Superintending Engineer, VI Circle.

ORDER—dated 7th April 1884, No. 944 W., Public Works.

The revised estimate, amounting to Rs. 11,920, for constructing a divisional office at Tanjore, is sanctioned, in supersession of that referred to in G.O., No. 2822 W., of the 14th November 1881.

2. In his statements of demands on the reserve, the Superintending Engineer, VI Circle, will apply for the funds required, during 1884-85, to complete the work.

3. This sanction has been registered as Provincial No. 5 W. of 1884-85, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle, with five enclosures.
" Examiner, Public Works Accounts, with duplicate abstract estimate.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated April, 7th.

Recd. *Encl.*

G.O., 7th April 1884, No. 944 W.

APRIL.

Divisional Office at Tanjore

Revised estimate for constructing —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ —the following letter from Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Inspector-General of Registration, dated Coimbatore, 21st March 1884, No. 74-M. :—

With reference to G.O., No. 2808 W., of 8th October 1883, I have the honor to return, for transmission to Government for sanction, the plan and estimate for constructing a sub-registrar's office at Hosúr. This is the course prescribed in G.O., No. 483 W., of 21st February 1884.

1 Site plan.	1 Estimate.
1 Plan.	1 Report.
1 Duplicate abstract estimate.	1 Specification.

2. The petty alterations requested in your letter, No. 362, of 9th instant, to the Executive Engineer, Salem division, will be attended to in carrying out the work.

No. 790 G.

Submitted for the sanction of the Government. This estimate amounts to Rs. 2,970.

MADRAS,
24th March 1884.

(Signed) G. HAMNETT,
Inspector-General of Registration.

No. 724, Judicial.

Approved and transferred to the Public Works Department.

(By Order.)

29th March 1884.

(Signed) M. HAMMICK,
Acting Assistant Secretary.

ORDER—dated 7th April 1884, No. 945 W., Public Works.

The estimate, amounting to Rs. 2,970, for constructing a sub-registrar's office at Hosúr, in the Salem district, is sanctioned, for execution when funds are available.

2. This sanction has been registered as Provincial No. 4 W. of 1884-85, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with five enclosures.
„ Examiner, Public Works Accounts, with duplicate abstract estimate.
„ Judicial Department.

BUILDINGS AND ROADS
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 7th.

Recd. *Encl.*

G.O., 7th April 1884, No. 945 W.

APRIL.

Sub-Registrar's Office

Estimate of Rs. 2,970 *for constructing a* — at Hosúr, Salem district, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

G.O., dated 3rd April 1884, Mis. No. 228, Political.

From J. B. PENNINGTON, Esq., Acting Government Agent, Tanjore, to the Chief Secretary to Government, dated Tanjore, 13th December 1883, No. 252.

I have the honor to submit, for the orders of Government, copies of letters noted in the margin received from Ry Yaikoji, of Madhiarjunam, regarding the further improvements to be made to his palace buildings as detailed in the enclosed estimate.

Dated 14th July 1883 and 21st September 1883.

2. The Executive Engineer, who was addressed on the subject, recommends all the items of the estimate, except No. 4, for sanction, and the total cost according to his estimate comes to Rs. 2,200.

3. The Executive Engineer says that the work, No. 4, is unnecessary, and that Nos. 1, 2, 3, 5, 6, and 12 are "improvements" to the buildings while the rest are simple "repairs." The cost of "improvements" according to the estimate amounts to Rs. 1,445 while that of "repairs" to Rs. 755.

4. I beg therefore that Government will be pleased to order the necessary steps to be taken for executing the *improvements* through the Public Works Department, and that they will be pleased to sanction an allotment of Rs. 755 for the necessary *repairs* to be carried out by this office if it is intended that the repairs of such buildings also should be carried out by me.

No. 2502, Political.

Referred to the Public Works Department for remarks.

(By Order.)

Fort St. George,
22nd December 1883.

(Signed) J. D. REES,
Acting Under Secretary.

Endorsement to the Superintending Engineer, dated 17th January 1884, No. 120 C.

From Lieutenant-Colonel H. R. MEAD, R.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated 20th March 1884, No. 2540 T.J.

With reference to your endorsement, No. 120 C., of 17th January 1884, on Political Department No. 2502, of 22nd December 1883, I have the honor to forward an estimate, amounting to Rs. 2,095, for repairing the Thiruvadamardur palace in Tanjore District.

Order—dated 3rd April 1884, Mis. No. 228, Political.

Approved.

(True Extract.)

(Signed) E. F. WEBSTER,
Chief Secretary.

ORDER—dated 7th April 1884, No. 946 W., Public Works.

The estimate, amounting to Rs. 2,095, for improvements to the Thiruvadamardur palace, is sanctioned against the Minor Works grant to the Tanjore Division.

2. This sanction has been registered as Provincial No. 3 W. of 1884-85 and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle, with four enclosures.
,, Examiner, Public Works Accounts.
,, Political Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 7th.

Recd. *Encl.*

G.O., 7th April 1884, No. 946 W.

APRIL.

Thiruvadamardur Palace

Estimate of Rs. 2,095 *for improvements to the* —, Tanjore District, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers :—

From G. T. WALCH, Esq., Officiating Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 25th March 1884, No. 3707 G.D.

With reference to G.O., No. 141 W., dated the 17th January 1884, I have the honor to submit herewith statements * in the prescribed form for 1881-82 and 1882-83 on the training of apprentices in the Government Workshops, Dowlaishweram.

* Two.

Enclosures.

Results of the Native Apprentices entertained in Dowlaishweram Workshops for 1881-82.

Statement A, showing the Number of Apprentices employed during the Year 1881-82.

Races.	Fitters.	Carpenters.	Moulders.	Others.	Total.	Remarks.
Hindus	1	1	...	...	2	
Muhammadans, &c. ...	...	...		...	...	

Statement B, showing the Number of Trained Men turned out during the Year 1881-82.

Nil.

Statement C, showing the Employments obtained by the Apprentices who completed Training as in Statement B.

Nil.

Statement D, showing the Trades of the Apprentices who obtained Employment as shown in Statement C., employed by the several Classes of Employers.

Nil.

(Signed) C. C. RAWSON, Captain, R.E.,
Executive Engineer.
(Signed) G. T. WALCH,
Offg. Superintending Engineer, I Circle.

Results of the Native Apprentices entertained in Dowlaishweram Workshops for 1882-83.

Statement A, showing the Number of Apprentices employed during the year 1882-83.

Races.	Fitters.	Carpenters.	Moulders.	Others.	Total.	Remarks.
Hindus	...	4	...	...	4	
Muhammadans	...	1	...	...	1	
Native Christians, &c. ...	...	1	...	...	1	
Total ...	...	6	...	...	6	

STATEMENT B, showing the Number of Trained Men turned out during the Year 1882-83.

Nil.

STATEMENT C, showing the Employments obtained by the Apprentices who completed Training as in Statement B.

Nil.

STATEMENT D, showing the Trades of the Apprentices who obtained Employment as shown in Statement C., employed by the several Classes of Employers.

Nil.

(Signed) C. C. RAWSON, Captain, R.E.,
Executive Engineer.

(Signed) G. T. WALCH,
Offg. Superintending Engineer, I Circle.

From J. W. RUNDALL, Esq., Superintending Engineer, II Circle, to the Chief Engineer, Public Works Department, dated Cowtaram, 22nd March 1884, No. 3251 K.S. :—

With reference to your reminder No. $\frac{141\ \text{W.,}}{1}$ of the 3rd instant, I have the honor to submit herewith statements in the prescribed form of the results of training apprentices for Foreman Mechanics in the Bezváda Workshop up to 1881-82 and for 1882-83.

1 Statement A.
1 Statement B, C and D.

2. I would, however, point out that it can hardly be said that our apprentices are being trained for *Foremen* Mechanics.

3. The class of boys we are able to get are ill-educated, and I think few of them will ever be likely to rise above the artizan.

ENCLOSURE.

STATEMENT A, showing Number of Apprentices employed during the Year 1881-82 in the Government Workshop, Bezváda, Kistna.

Race.	Fitters.	Carpenters.	Moulders.	Mathematical Instrument-makers.	Turners.	Black-smiths.	Pattern-makers.	Others.	Total.
Hindus	1	2	..	..	..	..	..	..	3
Muhammadans	..	..	..	..	..	..	..	..	..
Parsis	..	..	..	..	..	..	..	..	..
Native Christians	..	1	..	..	..	..	..	..	1
Europeans and Eurasians ..	..	..	..	..	..	..	..	..	..
Total ..	1	3	..	..	..	..	..	..	..

BEZVADA,
17th March 1884.

(Signed) J. W. RUNDALL,
Superintending Engineer, II Circle.

(Signed) J. D. GRANT,
Executive Engineer, Eastern Division.

STATEMENT B, showing Number of Trained Men turned out during the Year 1881-8[illegible] in the Government Workshop, Bezváda, Kistna.

Nil.

Statement C, showing Employment obtained by the Apprentices who completed Training as in the Statement B during 1881-82 in the Government Workshop, Bezváda, Kistna.

Nil.

Statement D, showing the Trades of the Apprentices who obtained Employment as shown in Statement C, employed by the several Classes of Employers during the Year 1882-83.

Nil.

Cowtaram,
22nd March 1884.

(Signed) J. W. RUNDALL,
Superintending Engineer, II Circle.

From the Consulting Engineer for Railways, dated Madras, 25th February 1884, No. 67.

MADRAS RAILWAY.

Statement A, showing Number of Apprentices employed during Year 1881-82.

Nil.

Statement B, showing Number of Trained Men turned out during the Year 1881-82.

Nil.

Statement C, showing Employment obtained by the Apprentices who completed Training as in Statement B during 1881-82.

Nil.

Statement D, showing the Trades of the Apprentices who obtained Employment as shown in Statement C, employed by the several Classes of Employers during 1881-82.

Nil.

Perambur Works,
25th January 1884.

(Signed) F. H. TREVITHICK,
Locomotive Superintendent.

Statement A, showing Number of Apprentices employed during Year 1882-83.

Race.	Fitters.	Carpenters.	Moulders.	Mathematical Instrument-makers.	Turners.	Black-smiths.	Pattern-makers.	Others.	Total.
Hindus	4	4	4	..	..	..	..	..	12
Muhammadans	..	..	..	..	..	..	..	..	..
Parsis	..	..	..	..	..	..	..	..	..
Native Christians	..	..	..	..	..	..	..	..	..
Europeans and Eurasians	..	..	..	..	..	..	..	..	..

Statement B, showing Number of Trained Men turned out during the Year 1882-83.

Nil.

Statement C, showing Employment obtained by the Apprentices who completed Training as in Statement B during 1882-83.

Nil.

Statement D, showing the Trades of the Apprentices who obtained Employment as shown in Statement C, employed by the several Classes of Employers during 1882-83.

Nil.

Perambur Works,
25th January 1884.

(Signed) F. H. TREVITHICK,
Locomotive Superintendent.

Submitted for the information of Government of India, with reference to their Resolution No. 25 G., dated 7th January 1884, embodied in Proceedings of Government, No. 141 W., of 17th idem.

ORDER—dated 7th April 1884, No. 947 W., Public Works.

Ordered that the reports be forwarded to the Secretary of State and the Government of India.

2. The annual reports to be submitted by the Railway authorities are required only in respect to the apprentices transferred from the Madras Public Works Workshops to the Perambúr Workshops.

3. With reference to paragraphs 2 and 3 of his letter above recorded, the attention of the Superintending Engineer, II Circle, is called to the letter from his office, No. 197, dated 21st January 1878, printed with Proceedings of Government, No. 4465 W., dated 23rd November 1878, in which it was stated that arrangements would be made for the elementary education of the lads.

(Here enter No. 948 W., dated 7th April 1884.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle.
,, ,, ,, II Circle.
,, Consulting Engineer for Railways.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 7th.

Recd. *Encl.*

G.O., 7th April 1884, No. 947 W.

APRIL.

Native Apprentices

Reports on the training of — as Foreman Mechanics up to end of 1881-82 and for 1882-1883.

PUBLIC WORKS DEPARTMENT.

LETTER—to

THE RIGHT HONORABLE THE SECRETARY OF STATE FOR INDIA.

MY LORD,

In continuation of our despatch, No. $\frac{45}{947\ W.}$, dated 29th November 1883, we have the honor to forward a copy of our Proceedings, No. 947 W., dated 7th April 1884, embodying reports on the training of native apprentices up to the end of the official year 1881-82 and for 1882-83.

2. These reports have been drawn up in the form prescribed in Government of India Resolution, No. 25 G., dated 7th January 1884.

We have the honor to be,
My Lord,
Your Lordship's most obedient, humble servants,

(Signed) M. E. GRANT DUFF.
(„) FRED. ROBERTS.
(„) H. E. SULLIVAN.
(„) C. G. MASTER.

(True Copy.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

OOTACAMUND,
7th April 1884.

GOVT. OF MADRAS.

PUBLIC WORKS DEPARTMENT.

(Copy.)

LETTER to the Right Honorable the Secretary of State for India.

No. $\frac{9}{947\ W.}$, dated 7th April 1884.

Forwarding copy of proceedings embodying reports on the training of native apprentices as Foremen Mechanics up to end of official year 1881-82 and for 1882-83.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

LETTER—from

COLONEL J. SHAW-STEWART, R.E.,

Secretary to the Government of Madras,

Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

PUBLIC WORKS DEPARTMENT.

SIR,

Adverting to Government of India Resolution, No. 25 G., dated 7th January 1884, I am directed to forward a copy of the Proceedings of this Government, No. 947 W., dated 7th April 1884, embodying reports on the training of native apprentices up to the end of the official year 1881-82 and for 1882-83.

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

FORT ST. GEORGE,
7th April 1884.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 7th.

Recd. *Encl.*

7th April 1884, No. 948 W.

APRIL.

Native Apprentices

Reports on the training of — as foremen mechanics up to end of 1881-82 and for 1882-83.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following letter from Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 1st April 1884, No. 171 E.W. :—

I have the honor to forward, herewith, reports of an accident that has occurred in the blasting operations on the new Barur channel, and which has unhappily resulted in the death of a professional blaster, who was tamping a bore hole when the charge exploded, seriously injuring him.

1 Letter, No. 184, of 25th March 1884, from the Executive Engineer, Barur Project Division, with two enclosures.
1 Copy of letter, No. 100-A., of 13th March 1884, from Supervisor Kalianaramier, to Executive Engineer, Barur.
1 Copy of letter, No. 13, of 11th March 1884, from Hospital Assistant to Supervisor.

2. So far as I can judge there was no want of care, and the explosion appeared to have been quite accidental

---

Order—dated 7th April 1884, No. 949 W., Public Works.

The Government regret to hear of the accident, which appears to have been due to no want of precaution.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle,
„ Judicial Department.

GENERAL.
ESTABLISHMENT.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated April, 7th.

Recd. *Encl.*

G.O., 7th April 1884, No. 949 W.

APRIL.

Accident

Report of an — in the blasting operations on the new Barur channel, which resulted in the death of a professional blaster.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following despatch from the Most Honorable the Secretary of State for India, to His Excellency the Right Honorable the Governor in Council, Fort St. George, dated India Office, London, 13th March 1884, No. 5, Public Works :—

I have received your letter in the Public Works Department, No. 1-57 W., dated 10th January last, forwarding an Indent for a Royal Coat of Arms required for the new Post and Telegraph Offices at Madras, and I have sanctioned compliance with the indent.

Order—dated 15th April 1884, No. 972 W., Public Works.

Communicated to the Consulting Architect to Government.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Consulting Architect to Government.
„ General Superintendent, Public Works Stores.

GENERAL.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 15*th*.

Recd. *Encl.*

G.O., 15th April 1884, No. 972 W.

APRIL.

Indent

The sanction by the Secretary of State of compliance with the — for a Royal Coat of Arms for the new Post and Telegraph Offices at Madras, communicated to the Consulting Architect to Government.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following letter from J. W. RUNDALL, Esq., Superintending Engineer, II Circle, to the Chief Engineer for Irrigation, dated Masulipatam, 13th March 1884, No. 1070 N.L. :—

With reference to G.O., No. 582 W., of the 3rd instant, sanctioning the revised scale of temporary water-regulation establishment required for the Nellore division for 1884-85, I have the honor to bring to your notice that this establishment is to be employed during a certain period of every year, and need not, as such, be sanctioned annually. Please also see your memorandum, No. II-79 N.L., of the 19th October 1882.

2. Under this impression, therefore, this establishment was not included in the statement of temporary establishment forwarded to the Chief Engineer, Public Works Department, for the sanction of Government, with this office letter, No. 452 G.L., of the 23rd ultimo.

3. I request, therefore, that the estimate now submitted may be sanctioned to hold good till any further modification is needed. Otherwise, from the wording of the order, it will, I conclude, be necessary to obtain a fresh sanction each year.

4. The necessary allotment of funds required for every year will be applied for in the month of May.

No. 32 E.W.

Forwarded to the Chief Engineer, Public Works Department, with a request that an erratum may be issued omitting the words " for the year 1884-85" in paragraph 1 of G.O., No. 582 W., dated 3rd March 1884.

Chepâk,
2nd April 1884.

(Signed) A. S. RUSSELL,
for Chief Engineer for Irrigation.

Order—dated 15th April 1884, No. 973 W., Public Works.

Sanctions to temporary establishments are usually terminable with the official year. If renewed sanction is necessary in any case, timely application should be made.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, II Circle.
„ Chief Engineer for Irrigation.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 15th.

Recd. *Encl.*

G.O., 15th April 1884, No. 973 W.

APRIL.

Temporary Establishments

Pointing out to the Superintending Engineer, II Circle, and the Chief Engineer for Irrigation, that sanctions to — are usually terminable with the official year and cannot be made to hold good for a series of years.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from G. T. WALCH, Esq., Officiating Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Cocanada, 17th March 1884, No. 561-V.Z. :—

1 Extract.
1 Survey.
1 Tracing.
1 Detailed estimate for earthwork, &c.
1 Detailed estimate for masonry works.

I have the honor to forward herewith, scrutinized, an estimate, &c., for constructing a road from Ramabhadrapuram to Rajam, received from the President, Local Fund Boards, Vizagapatam.

2. The heading given to the book of plans "Survey and Levels" by the Local Fund Engineer is not correct, as no levels are shown ; consequently, all that could be done as regards the earthwork was to check the arithmetical accuracy. No specification report accompanied the plans.

Order—dated 15th April 1884, No. 974 W., Public Works.

The estimate, amounting to Rs 80,000, for constructing a road from Ramabhadrapuram to Rajam, in the Vizagapatam district, is sanctioned.

2. Attention is drawn to the high price proposed to be paid for land, and to the fact that this item amounts to about one-third of the entire estimated cost of the road.

3. This sanction has been registered as Local No. 3 W. of 1884-85.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Board of Revenue, with five enclosures.
„ Superintending Engineer, I Circle.
„ Financial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1884) Madras:

PUBLIC WORKS.

Dated April, 15th.

Recd. *Encl.*

G.O., 15th April 1884, No. 974 W.

APRIL.

Road

Estimate of Rs. 80,000, *for constructing a* — from Ramabhadrapuram to Rajam, in the Vizagapatam district, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From G. F. JOHNSON, Esq., President of the Local Fund Boards, Vizagapatam Circle, to the Deputy Chief Engineer, Public Works Department, dated 22nd May 1883, No. 301.

I have the honor to forward, herewith, for your scrutiny, an estimate, amounting to Rs. 6,350, for constructing a Local Fund Normal school at Pálkonda. The plan of the building has been approved of by Mr. Monro, the Inspector of Schools for this division. Both the plan and estimate have received the approval of the Local Fund Board at their meeting held on the 15th instant. A copy of the Board's resolution is herein enclosed. If you see no objection to the adoption of the plan and estimate, I request that you will forward them, through the Board of Revenue, for the sanction of the Government.

Application for an allotment of funds will be made after the sanction of Government is accorded for the estimate.

From G. T. WALCH, Esq., Officiating Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 24th March 1884, No. 579 V.Z.

With reference to the Deputy Chief Engineer's endorsement, No. 1087 C., on letter, No. 1086 C., dated 6th June 1883, to the President, Local Fund Boards, Vizagapatam, I have the honor to forward, herewith, duly scrutinized, a plan and estimate (Rs. 6,270), for constructing a Normal school-house at Pálkonda, received from the President, Local Fund Boards.

Note by the Chief Engineer, Public Works Department.

The estimate is submitted for the sanction of Government.

2. It is suggested that better ventilation be provided for the school-rooms than has been allowed in the design.

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Chief Engineer, P.W.D.

4th April 1884.

Order—dated 15th April 1884, No. 975 W., Public Works.

The estimate, amounting to Rs. 6,270, for constructing a Normal school at Pálkonda, in the Vizagapatam district, is sanctioned.

2. The attention of the Local Fund Board should be called to the suggestion in the Chief Engineer's note above recorded.

3. This sanction has been registered as Local No. 2 W. of 1884-85.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Board of Revenue, with four enclosures.
" Superintending Engineer, I Circle.
" Financial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1884) Madras

PUBLIC WORKS.

Dated April, 15th.

Recd. *Encl.*

G.O., 15th April 1884, No. 975 W.

APRIL.

Normal School at Palkonda

Estimate of Rs. 6,270 *for constructing a—,* Vizagapatam district, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from Lieutenant-Colonel T. K. GUTHRIE, Acting Inspector-General of Police, to the Chief Secretary to Government, dated Madras, 25th March 1884, No. 1552 :—

Referring to G.O., No. 491, dated 11th March 1884, Public Department, I have the honor to forward, for sanction and inclusion in the Public Works Department budget, plan and estimate, &c., amounting to Rs. 3,300, for converting the Public Works work-yard and store-building at St. Thomas' Mount into an office for the Superintendent of Police, Chingleput district.

2. The transfer of these premises to the Police Department was sanctioned in G.O., Mis. No. 3102, dated 23rd November 1883, Judicial Department.

No. 770, Judicial.

Approved and transferred to the Public Works Department.

(By Order.)

Fort St. George,
2nd April 1884.

(Signed) M. HAMMICK,
Acting Assistant Secretary.

Order—dated 15th April 1884, No. 976 W., Public Works.

The estimate, amounting to Rs. 3,300, for converting the old Public Works Department work-yard and store-building at St. Thomas' Mount into an office for the Superintendent of Police, is sanctioned for execution when funds are available.

2. This sanction has been registered as Provincial No. 7 W. of 1884-85, and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle, with five enclosures.
" Examiner, Public Works Accounts, with duplicate abstract estimate.
" Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 15th.

Recd. *Encl.*

G.O., 15th April 1884, No. 976 W.

APRIL.

Public Works Department Work-yard and Store-building at St. Thomas' Mount

Estimate of Rs. 3,300, *for converting the old* — into an office for the Superintendent of Police, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads-
Civil Works.

Read—the following papers :—

From the Venerable J. F. BROWNE, Archdeacon of Madras, to the Chief Secretary to Government, Ecclesiastical Department, dated Madras, 11th March 1884, No. 978.

I have the honor to submit, for the favorable consideration of Government, an application from the Church Committee of Trivandrum, asking for a grant of Rs. 125, for renewing the lighting arrangements of Christ Church, Trivandrum.

2. The whole estimate amounts to Rs. 512, and the congregation have liberally promised a sum of Rs. 362 towards it, and I have therefore the honor to request that Government will, if possible, grant the sum asked for.

3. Permission also is requested to dispose of the old lighting apparatus.

Enclosure.

From CLEMENT H. L. WRIGHT, M.A., Chaplain, Church Committee of Christ Church, Trivandrum, to the Venerable the Archdeacon of Madras, dated Trivandrum, 8th March 1884, No. 26.

We, the Church Committee, having long felt that the lighting arrangements of Christ Church, Trivandrum, (consisting of cocoanut oil in tumblers) are unsightly and inadequate, wish to light the Church with suitable and appropriate kerosine lamps.

2. We have been in correspondence with Messrs. P. Orr and Sons, Madras, who have granted us favorable terms, and we estimate the total cost of procuring suitable lamps and fitting them in the Church will be Rs. 512.

3. Towards this amount the congregation have given or promised Rs. 362, thus leaving Rs. 150 still to be raised. We now beg to apply through you to the Madras Government for a grant of Rs. 125, and for permission to sell the old hanging globes and wall-shades, the price realized for which, we trust, will meet the remaining deficiency.

From the Venerable J. F. BROWNE, Archdeacon of Madras, to the Chief Secretary to Government, dated Madras, 28th March 1884, No. 998.

With reference to your official memorandum, No. 631, Ecclesiastical Department, of the 18th March 1884, I have the honor to inform you that no pew-rents are charged in the Church at Trivandrum.

No. 803, Ecclesiastical.

Approved and transferred to the Public Works Department.

Fort St. George,
4th April 1884.

(Signed) E. F. WEBSTER,
Chief Secretary.

Order—dated 15th April 1884, No. 977 W., Public Works.

The Superintending Engineer, IV Circle, will place the sum of Rs. 125 at the disposal of the Trivandrum Church Committee.

2. The proposal to sell the old lighting apparatus of the Church is sanctioned.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
" Examiner, Public Works Accounts.
" Ecclesiastical Department, with one enclosure.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 15th.

Recd. *Encl.*

G.O., 15th April 1884, No. 977 W.

APRIL.

Christ Church, Trivandrum

Directing the Superintending Engineer, IV Circle, to place Rs. 125 at the disposal of the Church Committee towards renewal of the lighting arrangements of —, and sanctioning the proposed sale of the old lighting apparatus of the Church.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following letter from Colonel H. L. PRENDERGAST, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 8th April 1884, No. 109:—

With reference to your memorandum, No. 755 C., dated 27th ultimo, I have the honor to report that I expect to receive, in a few days, the estimate for the demolition of the outworks on the north-west and south fronts of Fort St. George, item No. IV in paragraph 11 of the Quartermaster-General's letter, No. 455, of the 28th June 1883.

2. For the other works mentioned in the same paragraph small estimates of Rs. 100 and Rs. 158 have been prepared for No. I and No. II, closing the north sea-gateway and choultry gateway. An estimate of Rs. 2,680 has been prepared for No. III, for constructing a bridge-pit and draw-bridge at the north gate. An estimate of Rs. 2,570 for putting in order the draw-bridges at the gateways of the enceinte (second part of item No. IV) has come to my office approved by the Brigadier-General, Commanding the District.

As regards the renewing and pointing with cement all the escarp walls of the enceinte (item No. V), the escarp walls on the sea-face have been thus dealt with, and others will be taken up in this year. The funds available will not permit of all the repairs being carried out in one season. An estimate of Rs. 10,700 has been made for item No. VI, laying new water-supply pipes and providing pipes, for daily consumption, attached to the cisterns; but the Executive Engineer hopes to reduce the estimate.

3. I presume that you do not require to have estimates for items I, II, part of IV and V for repairs; but only the estimates for new works, items III and VI, and for removal of the outworks, the first part of item IV.

Order—dated 15th April 1884, No. 978 W., Public Works.

The estimate referred to in paragraph 1 of the foregoing letter is awaited.

2. It is not intended that estimates within the Superintending Engineer's powers should be submitted for the sanction of Government.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle.
" Military Department.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 15th.

Recd. *Encl.*

G.O., 15th April 1884, No. 978 W.

APRIL.

Fort St. George

Awaiting the estimate promised for the demolition of the outworks on the north-west and south fronts of —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following letter from J. W. RUNDALL, Esq., Superintending Engineer, II Circle, to the Chief Engineer, Public Works Department, dated Masulipatam, 25th March 1884, No. 1098 S.G. :—

I have the honor to forward, herewith, two letters, in original, from the Executive Engineer, Sangam division, regarding Gunner J. Richardson, overseer, 1st grade.

1 Letter, No. 369, of 12th March 1884, from the Executive Engineer, Sangam.
1 Letter, No. 380, of 22nd March 1884, from the Executive Engineer, Sangam.

2. In the first of these letters, dated the 12th instant, Captain Campbell reported that he had suspended Overseer Richardson for being drunk in his quarters, instead of being at his work, on the 10th instant.

3. On the receipt of this letter, I drew the Executive Engineer's attention to the rules in the Code, and requested him to inform the overseer of the charge preferred against him and forward his defence.

4. With his letter, dated the 22nd instant, No. 380, the Executive Engineer forwards copy of his memorandum to the overseer, and of Richardson's defence.

5. From the copies of the reports of Conductor Lalor, and Mr. Goggan, apothecary, it is, I think, abundantly clear that the overseer was incapacitated from drink on the 10th instant.

6. As I was informed demi-officially by the Deputy Chief Engineer,* when Richardson was recently posted to this circle, that he was given to drinking too much, I think it would be a mistake to allow him to remain in the department any longer, and beg to recommend that he be remanded to military duty.

* Dated 30th January 1884.

7. Please forward your orders by wire to me and to the Executive Engineer, Sangam, to save time.

8. If Overseer Richardson is remanded, I will transfer Overseer Newnan from the Kistna Eastern to Sangam.

P.S. 26*th*.—Since writing the above, I have heard that one of the overseers at Nellore has reported sick, and will have to go away; so another overseer will be wanted in this circle.

ORDER—dated 16th April 1884, No. 981 W., Public Works.

Gunner J. Richardson will be remanded to military duty. His services are accordingly replaced at the disposal of His Excellency the Commander-in-Chief.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, II Circle.
" Examiner, Public Works Accounts.
" Military Department, with seven enclosures, for information and return.

1

GENERAL.
ESTABLISHMENT.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated April, 16th.

Recd. *Encl.*

G.O., 16th April 1884, No. 981 W.

APRIL.

Gunner J. Richardson

Overseer — ordered to be remanded to military duty and his services accordingly replaced at the disposal of His Excellency the Commander-in-Chief.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from Colonel T. E. TENNANT, Inspector-General of Jails, to the Chief Engineer and Secretary to Government, Public Works Department, dated Madras, 28th March 1884, No. 84 :—

With reference to G.O., dated 28th November 1883, No. 3403 W., I have the honor to forward, for the sanction of Government, the accompanying plan and estimate, amounting to Rs. 2,120, for making certain alterations to the Females' Hospital in the Madras Penitentiary.

2. The floor of the existing building is on the same level as the ground outside which makes it damp and unfit for a hospital. It is proposed to raise the floor 2 feet, to remove the present terraced roofing, to heighten the walls to 13 feet 6 inches and to substitute a tiled roof. New doors and windows will be provided, the existing ones being too small. The windows ought to be protected with iron bars; in addition to the windows there ought to be iron barred ventilators. The steps should be of stone not of brick.

3. I also enclose for sanction, an estimate, amounting to Rs. 1,670 for general repairs to the prison buildings in the Penitentiary.

4. These works can be carried out departmentally; and if convict labor is utilized there will be a large saving in the estimate.

5. The letter from the Executive Engineer, Presidency Division, is likewise enclosed.

Order—dated 16th April 1884, No. 982 W., Public Works.

The estimate, amounting to Rs. 2,120, for improvements to the Women's Hospita at the Madras Penitentiary, is sanctioned for execution by the Jail Department.

2. The estimate for repairs to buildings in the Penitentiary will be forwarded to the Superintending Engineer, V Circle, for disposal.

3. The attention of the Executive Engineer, Presidency Division, and of the Inspector-General of Jails, will be drawn to G.O., No. 483 W., dated 21st February 1884, prescribing the channel through which estimates for civil buildings should be submitted.

4. The sanction accorded in paragraph 1 has been registered as Provincial No. 8 W. of 1884-85 and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle, with eight enclosures.
" Examiner, Public Works Accounts.
" Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 16th.

Recd. *Encl.*

G.O., 16th April 1884, No. 982 W.

APRIL.

Madras Penitentiary

Estimate of Rs. 2,120, *for improvements to the Women's Hospital at the* — sanctioned, and the estimate for repairs to buildings in the Penitentiary forwarded to the Superintending Engineer for disposal, with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers:—

From Lieutenant-Colonel H. R. MEAD, R.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Shiyali, 6th March 1884, No. 2442 T.J.—Through the Examiner of Public Works Accounts.

I have the honor to bring to your notice that, on a reference by the Executive Engineer, Tanjore, to the Examiner of Public Works Accounts, he states his opinion that the post of superintendents with pay exceeding Rs. 20 should be held only by one who has passed the general test or middle school examination in the 1st class, and that men who have passed the surveyor's test in the Civil Engineering College are not eligible, and, I suppose, also considers no person whose age exceeds 25 eligible for these appointments (see paragraph 174 of Code).

2. If you consider this ruling is correct, and I suppose, unless these men are considered artificers (paragraph 170), it is so, I have the honor to request that Government may be moved to sanction the appointment of men, whose age exceeds 25, who have passed as surveyors in Civil Engineering College to the post of superintendents.

3. For these appointments often an older man than one of 25 is advisable as experience is generally necessary, and the training of a surveyor is better than many others. A man who has passed and had some experience as a surveyor is much more suitable than a young man under 25 who has passed the middle school examination, 1st class.

No. 1545 S.E.

Forwarded to the Chief Engineer, Public Works Department, for favor of disposal. This office has no remarks to offer on the suggestions advanced by the Superintending Engineer except that a *general* ruling sanctioning the appointments of men whose age exceeds 25, and who have passed as surveyors, to posts of superintendents, does not seem expedient.

(Signed) D. C. GORDON,
Examiner, Public Works Accounts.

24th March 1884.

Endorsement by the Chief Engineer for Irrigation, dated 1st April 1884, No. 69.

Order—dated 16th April 1884, No. 983 W., Public Works.

The opinion in the Public Works Department is that a man who has passed the surveyor's test is likely to be more useful on the irrigation conservancy establishment than one who has merely passed the middle school examination. It is accordingly remitted for consideration in the Educational Department whether the surveyor's test may be deemed a sufficient qualification for appointments on that establishment.

2. The question of withdrawing the limit on account of age will be considered in the Pension Department.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Educational Department.
" Pension Department.
" Chief Engineer for Irrigation.
" Superintending Engineer, VI Circle.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 16*th.*

Recd. *Encl.*

G.O., 16th April 1884, No. 983 W.

APRIL.

Irrigation Conservancy Establishment

The question whether passed surveyors may not be employed on the — without reference to the middle school examination, 1st class, referred to the Educational Department, and that of withdrawing the age restriction with regard to these men to the Pension Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following letter from Lieutenant-Colonel H. M. Vibart, R.E., Officiating Superintending Engineer, III Circle, to the Chief Engineer, Public Works Department, dated Camp, Ramandroog, 5th April 1884, No. 32:—

I have the honor to request that authority may be given for the appointment of Mahaboob-Meeah, who is aged 30 years, as a lock superintendent on the Kurnool canal. It is necessary that lock superintendents should have some knowledge of handicraft work, such as carpentry and masonry; but the Executive Engineer reports that it is sometimes difficult to procure men possessing such qualifications and under 25 years age at the same time.

2. I would solicit a general sanction for the admission of men over 25 years of age to the situation of lock superintendents when necessity arises. Vacancies in these appointments frequently occur on account of dismissals and resignations; and application in each individual case seems unnecessary.

Order—dated 16th April 1884, No. 984 W., Public Works.

The appointment of Mahaboob-Meeah as lock superintendent on the Kurnool canal is confirmed. His claim to pension will be regulated by the established rule.

2. The general sanction applied for in paragraph 2 of the Superintending Engineer's letter cannot be granted. The prior sanction of Government to the appointment of men over 25 years need not, however, necessarily be applied for. It will be sufficient if the Superintending Engineer reports such appointments for the confirmation of Government.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, III Circle.
To other Superintending Engineers, } for information.
To the Consulting Architect to Government, }
" Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras:

PUBLIC WORKS.

Dated April, 16th.

Recd. *Encl.*

G.O., 16th April 1884, No. 984 W.

APRIL.

Mahaboob-Meeah

The appointment of —, aged 30 years, as lock superintendent on the Kurnool canal, confirmed with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers :—

G.O., dated 21st March 1884, No. 1429, Military.

Read—the following papers :—

From the Public Works Department, dated 12th March 1884, No. 601 C.

From the Adjutant-General, to the Secretary to Government, Military Department, dated 19th March 1884, No. 139.

In returning the correspondence referred to the Commander-in-Chief (Military Department memorandum, No. 1270, dated 14th instant), I am directed to say that, as the furlough granted Lieutenant-Colonel Hindle in G.O.G., dated 12th July 1878 was not rendered necessary by illness contracted on field service, Lieutenant-Colonel Hindle is not, under the regulations quoted in the margin, entitled to count such furlough towards service for pension.

Clause 154, Indian Army Circulars of 1881, and proceedings of Madras Government, dated 23rd October 1883, No. 5731.

2. Lieutenant-Colonel Hindle, on the date prior to his transfer to the half-pay list, had completed only 18 years, 8 months and 4 days' service towards retirement.

Order—dated 21st March 1884, No. 1429, Military.

The Adjutant-General's letter communicated to the Public Works Department.

2. Lieutenant-Colonel Hindle's request, to count a part of his last sick leave as service for pension, is inadmissible.

(True Extract.)

(Signed) A. R. KENNEY-HERBERT, Lieut.-Colonel,
Offg. Secretary to Government.

From Lieutenant-Colonel M. W. HINDLE, Madras Staff Corps, to the Chief Secretary to Government, Public Works Department, dated Hardgate, Aberdeen, N.B., 7th February 1884.

Having been invalided in 1878 and having been now three years on sick leave and upwards of two years on temporary half-pay, and finding from my medical advisers that there is little or no probability of my return to active service, I venture to bring under the consideration of Government the exceptional nature of my case, in the hope that I may be allowed to count for pension 18 months' service or such period of my leave in England as may be necessary to entitle me to the rate of pension allowed to a Major, and the

Letter from General E. A. Foord, R.E.
Medical certificate from the Zillah Surgeon, Kurnool.
Medical certificate of the Medical Board, Madras.
Medical report by Dr. James Rodger, M.D., my present medical attendant.

additional pension due to my length of service, which would further entitle me to the bonus granted to Public Works officers under order of the Government of India, No. 2079, of the 31st July 1879. I am induced to hope the Government will consider my case a special one as my health entirely and finally broke down during my employment as District Engineer of Kurnool in the famine of 1877-78, and the exposure and sufferings I there underwent have left me an almost helpless invalid.

Officers who on active service lose their health are allowed to count a portion of their sick leave in England towards pension, and several officers of superior grade to mine have been granted an extra year's service on account of famine duty.

The accompanying letter from General E. A. Foord, R.E., Secretary to Government in the Department of Public Works, copies of medical certificates recommending my being invalided, &c., &c., refer to the service I rendered during the famine and the consequent loss of my health.

I would further beg to bring under the notice of the Government that, during my leave in England in 1864 and 1867, I obtained an appointment in the English convict service as deputy governor of Chatham convict prison and devoted myself to the acquirement of a full knowledge of the convict system in England; and that, on my return to Madras, the knowledge I had so obtained was at once appreciated and made use of by the Government of the Presidency.

ORDER—dated 16th April 1884, No. 985 W., Public Works.

Communicated to Lieutenant-Colonel Hindle, with reference to his letter dated 7th February 1884.

2. Lieutenant-Colonel Hindle's request to be admitted to the special concessions sanctioned to officers whose services were dispensed with by the Public Works Department, on reduction of establishment in 1879, will be referred to the Government of India.

(Here enter No. 986 W., dated 16th April 1884.)

(True Extract).

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Lieut.-Colonel Hindle, Madras Staff Corps.
To the Military Department.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 16th.

Recd. *Encl.*

G.O., 16th April 1884, No. 985 W.

APRIL.

Lieutenant-Colonel Hindle

Proceedings, Military Department, rejecting the request of — to be allowed to count as service for pension such portion of his leave in England as will entitle him to the pension of a Major, communicated to him with remarks.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

LETTER—from

COLONEL J. SHAW-STEWART, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

SIR,

I am directed to forward, for the favorable consideration of the Government of India, the accompanying application from Lieutenant-Colonel Hindle, late an Executive Engineer of the Public Works Department, in which, for reasons therein set forth, he requests that he may be admitted to the benefit of the concessions granted to officers whose services were dispensed with on reduction of establishment in 1879.

2. From the accompanying copy of proceedings in the Military Department, No. 1429, dated 21st March 1884, it will be seen that Lieutenant-Colonel Hindle's request to be allowed to count as service for pension the furlough taken in July 1878, and at the end of which his services were replaced at the disposal of the Military Department, has been rejected on the ground that the illness which necessitated his furlough was not contracted on field service. Seeing, however, that the illness in question was contracted in the service of Government in the Public Works Department, at a time when the exigencies of famine duty pressed severely on all those engaged on relief operations, His Excellency the Governor in Council would be glad if the benefit of the famine concessions granted under the Financial Resolution of the Government of India, No. 2079, dated 31st July 1879, could be extended to Lieutenant-Colonel Hindle, who, stationed as he was in Kurnool, one of the most unhealthy and severely tried of the Madras districts, must have experienced in an unusual degree the ill-effects of continued physical and mental strain.

3. From the accompanying copy of despatch to the Secretary of State, No. 10, dated 12th February 1880, it will be seen that it was at one time thought that Lieutenant-Colonel Hindle would, in ordinary course, have obtained those concessions, and the Secretary of State was so informed; but it was subsequently ascertained that he had not the requisite qualifying service to entitle him to retire under paragraph 5, clause I, of Financial Resolution, No. 2079, dated 31st July 1879. It thus became necessary to replace him at the disposal of the Military Department.

4. His Excellency the Governor in Council would be glad if, in the special circumstances of his case, Lieutenant-Colonel Hindle could now be admitted to the benefit of the concessions which were granted to officers in a similar position, but more fortunately placed as regards length of service, when their connection with the Public Works Department was summarily cut short.

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

OOTACAMUND,
16th April 1884.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 16th.

Recd. *Encl.*

16th April 1884, No. 986 W.

APRIL.

Lieutenant-Colonel Hindle

Recommending that the benefit of the famine concessions may be extended to —, late an Executive Engineer of the Public Works Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

From D. C. GORDON, Esq., Examiner of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 3rd April 1884, No. 2 W.

I have the honor to submit, for information and orders of Government, notes by Mr. Volkers, Assistant Examiner, of his inspection of the office of the Nílgiri Division.

Paragraph 2.—The attention of Government is invited to the very large imprests under Lieutenant Speed and Sub-Conductor Bragg, implying cash expenditure during the month of Rs. 3,000 by the former and Rs. 4,000 by the latter.

Paragraph 3.—The Executive Engineer's attention is specially necessary to the remarks in this paragraph.

Paragraphs 6 *and* 7.—The Executive Engineer should require this procedure to be remedied in the manner shown.

Paragraphs 8 *and* 9.—These are serious matters and require the interference of the Superintending Engineer. There is no real excuse for the difficulties and confusion reported. For the work done by departmental labor, the quantities should have been recorded in measurement books from time to time, similarly also the quantities done by petty contract, so that to ascertain what was *not* done by the contractors should not have been troublesome. But leaving this alone, surely there should have been proper arrangements for checking what the contractors claimed to have done; they have no concern in the previously executed work, and their first claim for payment should have settled the question where old work stopped and where their work commenced. The haphazard way in which the transactions appear to have been arranged is very unsatisfactory, for apparently it is not known what quantity was done by each system of work, while probably the rates for departmental work, for petty contract, and for contract varied each from the other. It is a matter that affects the Executive branch, and it is impossible for the accountant to do more than report for the Executive Engineer's information what the records of measurement and payment as filed in the divisional office testify. This he should do as soon as possible.

Paragraphs 10 *and* 11.—The Superintending Engineer's notice of this is requisite.

Paragraph 13.—The accountant must attend to these instructions. The register of works should record the same progress of monthly expenditure as is recorded in the monthly schedules of expenditure, and should always be posted up to same date with them. Any rectifications which may subsequently be necessary can be made in ordinary course.

Paragraph 14.—The attention of Government is invited to the large amount, Rs. 18,722 at debit of stock as representing "land, kilns, &c."

Paragraphs 16 *and* 17.—The attention of the accountant to these remarks is necessary, and he will see that they are carried out.

Paragraphs 18 *and* 19.—The Superintending Engineer's attention to these matters should be required.

Paragraph 22.—The office is certainly not in good order, but the remedy lies apparently with Government. It is notorious that the cost of an establishment of an office in the plains is no guide for that of an establishment on the hills; numerically taken, what will do for the plains should do for the hills, but in pay there should be no attempt at uniformity. The surrounding and attendant circumstances are so

different that it is to the interest of Government to give higher pay rather than have discontent and consequent changes of the staff of clerks and office hands generally.

Enclosure.

Notes of Inspection by R. C. F. VOLKERS, Esq., Assistant Examiner of Public Works Accounts, of the office of the Executive Engineer, Nílgiri Division, on the 17th and 18th March 1884.

J. C. Larminie, Esq., is the Executive Engineer, and the accountant, Mr. J. T. Maddox. The office was last inspected on the 3rd September last *vide* G.O., No. 2666 W., dated 22nd September 1883.

2. Sub-divisional disbursements are made from imprests only, which are held on the Executive Engineer's cash book.

The imprest-holders are :—

	RS.
Lieutenant Speed, R.E., in charge of Sappers and Miners	1,500
Sub-Conductor Bragg, Sub-Engineer	2,000
Abdul Karim Khan Sahib, Supervisor	1,000
C. Chinnathumby Pillay do.	250
Sub-Conductor Hollingsworth do.	600

The reason for having such large imprests at head-quarters is, that heavy payments for daily labor continue to be made. There is every reason, however, to expect that they will be reduced in the commencement of the coming official year.

(I) The raising of Sub-Conductor Bragg's imprest beyond the limit of Rs. 1,000 was sanctioned in G.O., No. 3632 W., dated 19th December 1883. Sanction has also, the Executive Engineer states, been obtained in the case of Lieutenant Speed.

(II) Mr. K. F. Nordmann, Executive Engineer on special work in the Wynaad, is, for account purposes, treated as a sub-divisional officer drawing against the Executive Engineer's credit in the treasury.

3. The cash-book is up to date. It has latterly been written up by the accountant as the head clerk is absent on sick leave. *All* corrections, whatever may be their nature, should be initialled separately by the Executive Engineer. It was noticed in a certain instance of payment into treasury, that the dates in the remittance and cash-books did not agree. The entry in the cash-book being low down among the transactions of the day subsequent to that on which the remittance book showed that the amount had actually been paid into the treasury and acknowledged by the treasury officer. This tends to show that the ruling in Code paragraph 2088 is not acted upon as rigorously as is necessary, and that there is an inclination to permit the posting of the cash-book to fall into arrears, an irregularity which, above all others, should be carefully avoided.

4. The cash abstract book is a few days in arrears; it should be posted up day by day as soon as the cash transactions of the day are over, or early on the succeeding day before the transactions of that day commence.

Special provision is made on the "receipts" side for the entry of refunds of expenditure, and in the columns so provided *alone*, should refunds, both cash and adjusting, be entered, *vide* Code paragraph 2266 (5).

5. Imprest accounts are in good order. Recoupment is generally made once a-week.

6. Work is done by both daily labor and contract. The large works at head-quarters are, to a great extent, executed by departmental agency, and the accounts work which devolves on sub-divisional officers is consequently very heavy. Ten-day reports, though rendered in fair order, are not submitted 'till long after they are due, and the compilation of the work abstracts and writing up of the register of works is therefore behindhand.

7. Work abstracts are in fair order. The account of materials received and issues should be posted separately for each period of ten days, so as to admit of comparison with the ten-day reports. The present practice is to make an abstract of the receipts and issues during the month, and to post the totals so arrived at into Part IV of the work abstract. The result of this is, that the ten-day reports are not completed as they should be, and the tendency to delay in the final completion of the work abstract, is greater than would be the case if the materials account were posted up during the month, as is done in the case of labor.

Work abstracts are complete up to end of January; those for February have only just been taken up for completion. Under ordinary circumstances, the whole accounts for February with work vouchers, should have been almost ready for despatch to the Examiner on this date.

8. The accounts of the combined Post and Telegraph office at Ootacamund require thorough verification. It appears that in the early stage of the work, daily labor and piece-work alone were employed in its execution. Subsequently a contract was given to Messrs. Groves and Co.,

and as the work progressed some difficulty arose in ascertaining, by measurement, the quantity of work done by the contractors, and consequently in arriving at the amount really earned by them. To decide the matter, the Executive Engineer's draftsman was deputed in October to make an accurate measurement of the whole work done, and, from the quantities obtained by him, a contract certificate was prepared for the contractors. In this certificate * the *total* quantity of work done was calculated out at contract rates, and from the total amount thus arrived at, deductions apparently representing the value or work done by piece-work and daily labor, were made, and the net result acknowledged as the value of work done by the contractors. Now, if the deduction made for daily labor represents total charges for labor and materials alone, it is probable, if not certain, that the net amount shown as the total value of work done by the contractors is incorrect, for it is very improbable that the rates at which work was done by daily labor will coincide with the contract rates. The Executive Engineer states that great care was taken to obtain accuracy of amount in preparing the certificate, but there is nothing on record in the office to show whether, in the deduction for daily labor, the difference between actual and contract rates is provided for in addition to the charges for labor and materials. The accountant himself knows nothing of the subject, and the arrears of the register of works, so far as this work is concerned, are due, he states, to his not being able, (through press of work) to verify the contract certificate. The draftsman by whom the certificate was prepared was indisposed at the time of inspection and did not attend office. The deductions can only be verified by looking up all previous work abstracts for the work, and eliminating therefrom the quantity and value of work done by daily labor, and piece-work. Instances of confusion are not infrequent in the case of other works also, and the reason given for this is the changes of officers in charge of the works. But there does not seem to be any real reason why changes of officers should result in inaccuracies of measurements, if measurement books are properly kept up so as to show *every* measurement taken (Code paragraphs 2041, 2106 and 2175).

	RS.	A.	P.	RS.	A.	P.
* Value at contract rates of total quantity of work done				38,014	15	5
Deduct—						
For work done by contractors and paid for under piece-work ..	1,836	6	4			
For daily labor ..	7,031	9	6			
				8,867	15	10
Balance—value of work done by contractors under contract agreement ..				29,146	15	7

9. It is the exception, rather than the rule, for measurement lists to be sent to the Executive Engineer's office with contract certificates, as ordered in Code paragraph 2175. This irregularity has not been noticed by the Executive Engineer, as the signature of the officer in charge of the work to the certificate at foot of the contract certificate, was considered sufficient to admit of the quantities entered, being accepted without question. Each contract certificate should be supported by a *detailed* list of measurements, showing how the quantities entered in the certificate have been arrived at, which should be carefully checked in the divisional office so far as arithmetical accuracy goes, and compared with the contract certificate before payment is made.

10. Advances to work-people have been adjusted as far as possible, and the Executive Engineer states that there will be no necessity to make any further advances. The following amounts are considered bad debts, the laborers concerned having absconded :—

	RS.	A.	P.
Government House, Norwood	82	0	0
Additions to Government offices, Stonehouse	142	10	8
Clerks' quarters	149	0	0
Brick manufacture	29	12	0
Total ...	403	6	8

11. Advances (or overpayments) to contractors on the security of work done but not measured up, should not be made (Code paragraph 2182).

12. The greater part of the materials at site of works was verified about the middle of last year. The Executive Engineer states that the balance at debit of materials at site has been considerably reduced since the date of last inspection, and that the materials are of good value.

13. The register of works requires more attention where, owing to insufficiency of space, part of the accounts of a work is separated from the main record, references should always be made connecting the two parts When expenditure has not been incurred on a work, or on certain sub-heads of a work, the previous up-to-date expenditure should be carried forward. In the case of manufactures, the estimated outturn should be entered as well as the estimate of outlay.

The register is written up to end of January, except in the case of the combined Post and Telegraph office, and Government House, Norwood. For the former of these the register is posted up to November, but, as the entries for that month are doubtful, (*vide* paragraph 8 above) subsequent posting was differed pending an investigation of the accounts of the work. For the latter the register is posted to end of December, the posting for January having been delayed by the late submission of the ten-day reports.

14. The balance at debit of stock at end of February is Rs. 35,866-13-4 against a reserve limit of Rs. 17,500. Of this balance Rs. 18,930 stands at debit of land and kilns, and for the most part represents the expenditure on brick drying and burning sheds, and the unadjusted balance against Hoffmann's kiln. It will be some years before this balance is finally adjusted by transfers to manufacture. But the Executive Engineer states that there is not likely to be any difficulty in the adjustment.

15. The following is the state of the manufacturing operations at end of January :—

—	Outlay.			Outturn.			Remarks.
	RS.	A.	P.	RS.	A.	P.	
Manufacture of bricks at Wellington	5,828	12	6	5,825	4	7	
Manufacture of bricks at Stonehouse	2,185	6	8	2,393	5	7	Credit balance adjusted in February and account closed.
Manufacture of bricks at Lake ...	1,586	7	11	1,630	0	0	Accounts will be closed at end of year and balances transferred to new accounts.
Manufacture of lime at Stonehouse	7,018	13	3	6,814	6	0	

16. The stock accounts generally require more attention. In the storekeepers daily register of receipts and issues, the column for particulars should contain more details than merely the name of the person from whom articles have been received or to whom issued. In the case of receipts, purchases should be distinctly noted as such, and for materials returned into store the name of the work from which returned should invariably be entered. In the case of issues, sales should be represented as such, and for issues of materials to works the names of the works concerned should be given. At the end of the month the receipts and issues should be abstracted and the monthly abstracts of receipts and issues compiled therefrom.

The monthly abstracts of receipts and issues should be so prepared as to admit of the stock abstract book being posted or checked direct therefrom, without any further abstracting.

In the case of transfer of materials from one manufacturing operation to another, and such like refunds, the value should not be shown as a regular receipt from works in form No. 10, and a regular issue to works in form No. 11, but adjusted through the cash accounts as laid down in Code paragraph 2265.

The half-yearly register is not in authorized form. It is opened out so as to show each month, the balance of each article at the commencement, the receipts and issues during the month, the cost and rate. The register should be opened out in proper form. If it is desirable (and worth while) to know the actual rate of any particular article, the stock sub-ledger should be kept up for that article.

17. Form No. 12, monthly return of receipts, issues and balance of tools and plant is not received regularly from sub-divisional officers. They have been addressed on the subject by the Executive Engineer.

The half-yearly return of tools and plant has not been written up for the current half-year.

The balance at credit of Government cattle (*vide* paragraph 13 of last report) was Rs. 734 at end of January. This amount cannot be regarded as a reserve to meet casualties, inasmuch as the cost of new purchases must be debited to tools and plant. The balance should be adjusted by transfer to the works on which the cattle were used, or the rate at which charges are made to works reduced, as a temporary arrangement, till the account is balanced.

18. The register of buildings is incomplete, but steps have been taken to supply the deficiencies.

19. A rate book is in course of preparation.

20. Service books are up to date.

21. Cheque books were examined and found correct. The pass book had been sent to the treasury to be written up and was not therefore examined.

22. Much improvement is necessary before the office can be pronounced in a satisfactory condition. The arrears are due mainly to the late receipt of sub-divisional accounts, and until this is rectified the books and accounts of the divisional office will continue more or less in a backward condition. In paragraph 4 of last report, and also in the previous report, the entertainment of a cashier to make payments for daily labor was advocated, but the Executive Engineer does not favor the suggestion. Money responsibility would, no doubt, be removed thereby in a great measure from sub-divisional officers, but what is much required is increased clerical assistance, so long as daily labor continues to be largely employed in the execution of works. So far as the divisional office is concerned, the staff is stated to be numerically sufficient. But it is

difficult to retain the services of thoroughly qualified men, who dread the climate and avail themselves of the earliest opportunity to return to the plains. This difficulty can only be overcome by giving them larger pay and so making it worth their while to stay in the hills.

Order—dated 18th April 1884, No. 1004 W., Public Works.

Communicated to the Superintending Engineer, IV Circle, for the information and guidance of the Executive Engineer, Nílgiri division.

2. The various matters brought to notice in the inspection notes should receive the Superintending Engineer's early and special attention.

3. The Superintending Engineer will report on the subject of paragraph 2 of the notes of inspection. In G.O., No. 3632 W., dated 19th December 1883, Mr. Bragg's imprest was raised to Rs. 2,000, as a temporary arrangement, until the close of the official year 1883-84.

4. Adverting to paragraph 14, the amount of stock should be kept within the sanctioned limit, which was fixed in G.O., No. 70 W., dated 10th January 1884, at Rs. 17,500 as a temporary measure.

5. The remarks in the concluding paragraph of the Examiner's letter appear to have been made without reference to the Proceedings of Government marginally noted, in which special rates of pay were allowed to clerks in the Nílgiri divisional office. If those rates are inadequate to secure efficiency, a special representation on the subject should be made by the Superintending Engineer, showing grounds for the grant of a further increased scale of salaries, and supported by a statement giving the number of changes in the office establishment since the formation of the division.

No. 1416 W., dated 6th June 1882.
„ 2206 W., dated 28th August 1882.

6. Meanwhile the Government must look to the Executive Engineer for early and decided improvement in the state of the office.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
„ Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 18th.

Recd. *Encl.*

G.O., 18th April 1884, No. 1004 W.

APRIL.

Inspection

Passing orders on the notes of — of the office of the Nílgiri division, submitted by the Examiner, Public Works Accounts.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from W. R. CORNISH, Esq., F.R.C.S., C.I.E., Surgeon-General with the Government of Madras, to the Secretary to Government, Public Works Department, dated Madras, 9th April 1884, No. 185 :—

I have the honor to forward, for the orders of Government, the accompanying letter from the Superintendent, Madras Lunatic Asylum, relative to the want of repairs to the buildings.

2. Last week I inspected the buildings, and, in my opinion, the whole of them should be periodically surveyed as to petty repairs. At present a good deal is wanted in the way of petty repairs to the various cottages, lime-washing, painting, &c., to keep the buildings in a satisfactory state.

Enclosure.

From Surgeon-Major S. L. DOBIE, Superintendent, Government Lunatic Asylum, Madras, to the Secretary to Surgeon-General with the Government of Madras, dated 5th April 1884, No. 16.

I have the honor to inform you that in July 1883, I applied to the Executive Engineer, Presidency Circle, for general repairs to the Asylum buildings, stating that they had been sanctioned in G.O., No. 417, dated 8th March 1882.

2. In November 1883 I reported that the roofs of most of the cottages leaked, and that many of the iron doors required refixing; also that all the subordinate officials' houses leaked.

3. In January 1884 I reported that part of the wall of the female enclosure had fallen down.

4. Early in March I wrote urgently about a cottage in the female enclosure and requested that it might be repaired at once.

5. These general repairs and the rebuilding of the wall have not yet been carried out.

Order—dated 18th April 1884, No. 1005 W., Public Works.

Communicated to the Superintending Engineer, V Circle, who will issue instructions for the early execution of necessary repairs at the Madras Lunatic Asylum; and report upon the delay which is stated to have occurred in carrying out the same.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle.
" Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 18th.

Recd. *Encl.*

G.O., 18th April 1884, No. 1005 W.

APRIL.

Madras Lunatic Asylum

The Superintending Engineer, V Circle, to issue instructions for the early execution of necessary repairs at the — and report on the delay in carrying out the same.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following letter from D. C. GORDON, Esq., Examiner of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 9th April 1884, No. 7 W.:—

I have the honor to submit, for information and orders of Government, notes by Mr. Rainier, Deputy Examiner, of his inspection of the office of the Trichinopoly division.

2. There is a good deal of improvement since last inspection, and the few points noticed in the report for correction should be attended to by the Executive Engineer and by the accountant.

3. The Executive Engineer is responsible for having some hold on contractors, so that Government may not be subjected to loss in the event of contractors leaving works unfinished. The Superintending Engineer should be invited to state whether or not sufficient hold is obtained, either by withholding adequate percentage from bills for work done, or otherwise.

ENCLOSURE.

Notes of inspection by H. RAINIER, Esq., Deputy Examiner, Public Works Accounts, Madras, of the office of the Executive Engineer, Trichinopoly Division, on the 3rd April 1884.

Lieutenant-Colonel Fraser, R.E., the Executive Engineer, and Sambasiva Iyer, the accountant, were present.

2. The last inspection of this office by an Accounts officer was on the 15th October 1883, *vide* papers printed with G.O., No. 3096 W., of 31st October 1883.

3. The *Musuri* sub-division, which was the only other one besides the *head-quarters*, is now made into two, the *Musuri* and the *Lálgudi* sub-divisions. They are both about to be inspected, as regards office business, by the Executive Engineer.

Up to the date of last sub-divisional accounts, unnecessarily large balances were held by these officers in the treasury, the Musuri sub-divisional officer having nearly Rs. 10,000. The matter has had, the Executive Engineer said, his attention, and is being taken up, and Code paragraph 1859 is not overlooked. The accuracy of the drawing account balance of the Executive Engineer on the 29th February was proved. Code paragraph 1882, directing that, unless and until its writing up is required, the pass-book should be with the Executive Engineer, will now be borne in mind. The cash accounts are now all in fair order. The cash abstract book should be written up daily as soon as the cash-book is checked and allocated by the accountant. Cheque books are properly used.

4. The *work accounts* have undergone improvement. The *work abstract* is now freely used, where necessary; part I of this *abstract* should, however, show (as taken from each ten-day report or contract voucher) *all* that is to be entered in the register of works, including the net monthly debit or credit to materials; part IV should show a clear detailed account of all the materials transactions as taken from ten-day reports, which are essential for that purpose wherever there is a materials at site account, whether the materials have been bought through the contractor or not (provided they are held at the risk of the department), and quite independently of the nature of the agency (whether departmental or petty contract, &c.) by which the work is being carried out. To wait for bills ere entering materials in the work accounts is to delay accounting for them till perhaps they are stolen or used up, and too much care cannot be taken in accounting for the receipts and issues of materials as they occur.

5. In my report on the office of the Executive Engineer, Tanjore division, I have recommended that a record be kept, for convenience of reference on these inspections, of all contractors employed and contracts current. It would be equally useful in this division.

6. The register of works was in order; *materials at site*, value Rs. 10,459, are at six different works.

7. Contractors are not forced to give the standard (10 per cent.) security, because the Executive Engineer regards such a percentage as unsuited to the scant circumstances of the district. The Executive Engineer of the Tanjore division was of the same opinion, viz., that contractors about these districts are generally too poor to stand such security, and have to be encouraged to tender at all, being very backward in such enterprise.

8. There were some balances, four in number, due to petty contractors since October 1883 in the Lálgudi sub-division, aggregating Rs. 122, which have been settled in March 1884.

One Ramasawmy Pillay having failed to carry out his contract has not received a sum of Rs. 80, which would otherwise be due to him since July 1883. This is under correspondence.

9. The tools and plant accounts are in order, and so is everything else not already mentioned.

10. The work of the accountant is very light, and should easily maintain a good character.

11. The outlay in 1883-84 respecting certain works would appear to have left a large portion of the grant unutilised.

ORDER—dated 19th April 1884, No. 1008 W., Public Works.

Communicated to the Superintending Engineer, VI Circle, for the information and guidance of the Executive Engineer, Trichinopoly division.

2. The Superintending Engineer will report on the subject of paragraph 3 of the Examiner's letter.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
" Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1884} Madras

PUBLIC WORKS.

Dated April, 19*th*.

Recd. *Encl.*

G.O., 19th April 1884, No. 1008 W.

APRIL.

Inspection

Passing orders on the notes of — on the Trichinopoly divisional office submitted by the Examiner, Public Works Accounts.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following letter from D. C. GORDON, Esq., Examiner of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 9th April 1884, No. 8 W. :—

I have the honor to submit, for information and orders of Government, notes by Mr. Rainier, Deputy Examiner, of his inspection of the office of the Tanjore division.

Paragraphs 4 *and* 5.—There has evidently been no improvement in the manner in which the accounts from sub-divisions are submitted to the divisional office; the result is extra work, probably unreliable results, in the accounts portion of the Executive Engineer's office, and delay everywhere. In the last three reports on this division, the trouble in obtaining anything approaching accuracy from sub-divisions has been pointed out, and I have brought the matter specially to the notice of Government in forwarding the reports.

Paragraph 7.—This matter has been already before Government and orders have issued, I believe, disposing of the case.

Paragraphs 10, 12 *and* 13.—The Superintending Engineer's attention is invited to these paragraphs.

Enclosure.

Notes of inspection by H. RAINIER, Esq., Deputy Examiner, Public Works Accounts, Madras, of the office of the Executive Engineer, Tanjore Division, on the 1st and 2nd April 1884.

Mr. W. Hughes, B.A., the Executive Engineer, and Kistnasawmy Iyer, the accountant, were present.

2. The office was last inspected by an Accounts officer on the 11th October 1883, *vide* papers printed with G.O., No. 3097 W. of 31st idem.

3. The Tanjore and Máyavaram sub-divisional offices, each held by an Assistant Engineer, were last inspected by the Executive Engineer on the 14th September and 30th August 1883, respectively. The sub-divisional accounts are properly audited. The accuracy of the drawing account balance on the 29th February last was proved. It was a very heavy one, viz., Rs. 34,726. The balance on the 31st March could not be gathered, sub-divisional accounts not having come in; but the balance undrawn at the end of an official year should be carefully forewatched and all unnecessary funds avoided (Code paragraph 1859). The imprest accounts, cash-book and cash abstract books were in order.

4. As regards the *works accounts* some improvement is found, but there is room for more.

The *strict daily account* of materials desired at the end of paragraph 6 of the last report, especially as regards the local works, the *palace* and the *jail*, has not been sufficiently insisted upon. The daily report of materials, as rendered in the ten-day reports, has frequently been found to disagree with the daily account kept at the work. The correction of such differences as arise instead of being taken in hand promptly (on receipt of the ten-day report) has been left to accumulate till the end of the month, which means till about the middle of the ensuing month, the *work abstract* being postponed till all discrepancy or error is regularised, which makes this abstract, by the time it is finished (the work abstract of the jail, under present

procedure takes at least five days to prepare), a great congregation of figures in four parts, which offers to the Executive Engineer information for the most part obsolete. The work abstracts for February are only now completed.

This is all capable of remedy, however, and the Executive Engineer will best effect this by severely insisting upon the punctual and accurate rendering of sub-divisional accounts; then, by making the accountant take these accounts in hand immediately they come up, the work abstracts being thereupon posted, as far as possible.

Thus the work being done by instalments *during* the month, instead of being left to the end of the month when other work makes so great an accumulation of labor that proper care is unlikely, would make it not only much lighter, but a great deal more reliable than at present, and the several instances of delay in paying labor (one or two were noticed of labor employed in the first ten days of a month being paid for late in the following month) would then come to the Executive Engineer's notice in time for action.

5. *The work abstracts*, now prepared in the divisional office, are being compiled by the storekeeper, who, although an old accountant (a pensioner), has not as yet succeeded in this job. Part I of the abstract is, in more than one case, a bewildering mass of corrections and blots, part IV being almost as bad, and on altogether separate paper. These abstracts will now be put in order, and if the printed forms afford insufficient space, the other paper used will be bound up into the abstract which will be treated as a whole, part IV being attested by the officer in charge of the materials in the case of local works.

The Executive Engineer has promised to have this done, and the accountant was fully instructed in all details regarding these work accounts. The register of works is not neatly kept, and as regards minor works requires completion.

6. *Materials at site* of works aggregate in value Rs. 27,773, and are placed at nine different works. At the palace Rs. 1,661, and at the jail Rs. 17,381 worth of stuff is placed. The palace works are nearing completion, but the jail work will last another year. With the exception of some lime-stone at the jail, which needs, and is about to receive the Executive Engineer's personal verification, all materials at site are stated to be of good value.

7. While on the subject of materials, it may be said that the discrepancy in timber (Mr. Bulliard's contract), which was the subject of G.O., No. 3684 W., of 22nd December 1883, occurred under circumstances which prove the force of what has been so repeatedly urged against the unpunctuality and inaccuracy of sub-divisional accounts as rendered from the large works in this division, and it may be regarded as of much importance that on all such large works the materials transactions, both receipts and issues, should be faithfully posted *day by day* as they occur, and thence (from the register kept on the work) copied into the "daily report of materials" sent up to the divisional office, in which case there could hardly be a chance of much discrepancy. True, in Mr. Bulliard's case all materials (timber) paid for, up to the last payment by Mr. Bird, were, so far as the accountant could see, and as is believed by the Executive Engineer himself, duly received at the site of the works, and there was a sufficient margin of security on hand, and the accountant may be acquitted from any participation in the blame of afterwards paying Mr. Bulliard for further timber *on his own measurements*, and also refunding him his security; but the accounts in such a case should and would, if punctually and properly rendered, be of use to the Executive Engineer, and in this case they all along have been of very little use.

8. It would be well if, on inspecting an office like this, an Accounts officer (or Superintending Engineer) could see at a glance what contracts are in existence, what contractors are employed, on what works, what security is retained, &c. A register of such information would probably be convenient to the Executive Engineer also in every division where there is much contract work. In this division such work is on the increase, but the contractors offering are generally poor, and the full amount of security is difficult to exact always.

9. Petty contractors' accounts need to receive more care.

10. There is in deposits (contributions) an item of Rs. 100, the depositor of which (two years ago) has yet to deposit Rs. 590 ere his work can be put in hand. This he should be called upon to do at once, or his Rs. 100 returned to him. Other contribution items have stood for some time pending sanction to estimate, which sanction had not been received in time for operation last season. The works are now generally under weigh.

11. There are no manufactures and there is no stock.

12. The rent is not forthcoming for a tamarind tope at the upper anicut leased by the year to a native. Rs. 300 is due to Government, and the matter is being reported to the Superintending Engineer.

13. The *tools and plant* accounts are in order. There are certain surplus articles which will be reported to the Superintending Engineer.

14. There is more accounts work in this division than in many of the others at present. The accountant is a very capable man, and is not sparing himself at all; and he may be relied upon to bring the works accounts generally into a state of punctuality and order, if there is proper pressure kept on the sub-divisional offices.

ORDER—dated 19th April 1884, No. 1009 W., Public Works.

Communicated to the Superintending Engineer, VI Circle, who will direct the attention of the Executive Engineer, Tanjore division, to the remarks and suggestions contained in the inspection notes.

2. The Examiner's remarks on paragraphs 4 and 5 should receive the special attention of the Superintending Engineer, who will carefully inquire into and report on the sub-divisional shortcomings again brought prominently to notice.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
„ Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 19th.

Recd. *Encl.*

G.O., 19th April 1884, No. 1009 W.

APRIL.

Inspection

Passing orders on the notes of — on the Tanjore divisional office submitted by the Examiner, Public Works Accounts.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following letter from G. H. W. WALKER, Esq., Officiating Under Secretary to the Government of India, Public Works Department (General), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 9th April 1884, No. 386 G. :—

In reply to your letter, No. 658 W., dated 11th March 1884, I am directed to communicate the sanction of the Government of India to the appointment of Mr. L. P. deClosets, for employment in the Tank Maintenance divisions, as a temporary engineer, on a salary of Rs. 300 per month, for a period of twelve months, with effect from the 14th May 1884, subject to the conditions for the employment of temporary engineers as laid down in Public Works Code, chapter 1, paragraph 88A, rule IV; that is to say, he will be on the footing of a monthly servant, and must understand that his appointment carries absolutely no claim to pension or to any absentee allowances beyond those conditionally given by the rules of the Civil Leave Code to temporary employés, and he will have to sign a declaration that this is clearly understood by him.

2. I am to request, should it be necessary to retain Mr. deClosets' services beyond the period for which sanction is now accorded, that application for the same may be made three months prior to expiry of this sanction.

Order—dated 19th April 1884, No. 1013 W., Public Works.

Communicated to the officers concerned, with reference to G.O., No. 657 W., dated 11th March 1884.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.WD.

To the Examiner, Public Works Accounts.
„ Superintending Engineer, Tank Maintenance.
„ Chief Engineer for Irrigation.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 19th.

Recd. *Encl.*

G.O., 19th April 1884, No. 1013 W.

APRIL.

Mr. L. P. deClosets

The sanction of the Government of India to the employment of — as temporary engineer in the Tank Scheme for another year, communicated to officers concerned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following letter from G. H. W. WALKER, Esq., Officiating Under Secretary to the Government of India, Public Works Department (General), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 4th April 1884, No. 364 G.:—

In reply to your letter, No. 522 W., dated 26th February 1884, I am directed to state that the rule forbidding re-employment, otherwise than temporarily, of a man retired under the reduction resolution of 1879 is intended to forbid employment in another branch of the public service as well as in that from which the man was retired; but under the circumstances represented, and on the recommendation of the Madras Government, the Government of India sanctions the permanent re-employment of Sundara Sastry.

ORDER—dated 19th April 1884, No. 1014 W., Public Works.

Communicated to the Chief Engineer for Irrigation, with reference to G.O., No. 521 W., dated 25th February 1884.

2. The general ruling contained in the foregoing letter will be circulated for the information of Superintending Engineers.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Chief Engineer for Irrigation.
To Superintending Engineers.
To the Consulting Architect to Government.
" Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 19th.

Recd. *Encl.*

G.O., 19th April 1884, No. 1014 W.

APRIL.

Sundara Sastry

Letter from the Government of India sanctioning, with remarks, the permanent re-employment of —, an upper subordinate retired under the reduction resolution of 1879, communicated to the Chief Engineer for Irrigation and to the Superintending Engineers.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

Letter from the Suptg. Engineer, I Circle, dated 24th December 1883, No. 2898 G.D.
" " " " dated 4th March 1884, No. 3470 G.D.
Endorsement of the Chief Engineer for Irrigation, dated 18th March 1884, No. 28 E.W.
Office note from the Examiner, Public Works Accounts, dated 5th April 1884, No. 12.

ORDER—dated 19th April 1884, No. 1015 W., Public Works.

The appointment of a second foreman for the Dowlaishweram workshops, on a salary of Rs. 130 per mensem, is sanctioned, as recommended by the Superintending Engineer and the Chief Engineer for Irrigation. The pay of the appointment will be charged to the workshops.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" Examiner, Public Works Accounts.
" Chief Engineer for Irrigation.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 19th.

Recd. *Encl.*

G.O., 19th April 1884, No. 1015 W.

APRIL.

Dowlaishweram Workshops

Sanctioning the appointment of a second foreman for the — on Rs. 130 per mensem.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following letter from D. C. GORDON, Esq., Examiner of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 17th April 1884, No. 10 W.:—

I have the honor to submit, for information and orders of Government, notes by Mr. Rainier, Deputy Examiner, of his inspection of the office of the Madura division.

2. The Executive Engineer's attention is necessary to the proper accounting for materials at site, and for issues to works.

3. The result of the Superintending Engineer's action in regard to the discrepancy in materials on the Gúdalúr Ghât Road should be communicated in due course.

Enclosure.

Notes of Inspection by H. RAINIER, Esq., Deputy Examiner of Public Works Accounts, Madras, of the office of the Executive Engineer, Madura Division, on the 7th April 1884.

The Executive Engineer, Mr. J. Grimes, and the accountant, Mr. D. M. Dumphy, were present.

2. The office was last inspected by an Accounts officer on the 17th and 18th October 1883, *vide* papers printed with G.O., No. 3196 W., of 12th November 1883.

3. The sub-divisional drawing officers at Dindigul and at Madura send up their accounts regularly and with fair accuracy; the Executive Engineer's general treasury balance on the 31st March 1884 was proved correct.

4. The sub-divisional offices are regularly inspected by the Executive Engineer.

5. The cash accounts, and all relating thereto, were found in very good order.

6. The *works accounts* require some little overhauling in respect of materials.

7. The overseer at the palace, for instance (restoration of Tirumal Naick's palace), only brings into his materials accounts such articles as he has himself bought, omitting all the more important stuff provided by purchase from the Executive Engineer's office, of which no account is kept till the payment for same is made. Steps will now be taken to regularize all accounts of materials on this and other works, as desired at the inspection.

8. With reference to the last part of paragraph 7 of last report, the statement of materials at site of the Gúdalúr Ghât Road since elicited from the Local Fund Board at Dindigul, by the Executive Engineer, shows an aggregate value of Rs. 4,675, of which the Local Fund Engineer admits possession, except Rs. 1,200; this discrepancy is the subject of correspondence now current with the Superintending Engineer, with a view to place the materials balance of the above work on a correct footing.

9. The money applied for by the Local Fund Board, Dindigul, for the above road, has been apparently a great deal in excess of what was spent always, thus sinking the Executive Engineer's available funds to some extent. Care should be taken not to apply for more than will leave a margin of about half a month's normal outlay.

10. The contractor's accounts are in order.

11. The books are all well kept by Mr. Dumphy and his assistant, Narainsawmy Pillay, a very promising man; the *tools and plant* accounts are in order and nothing therein is surplus or unserviceable.

12. The suspense accounts are in a healthy state.

13. The office is in very good order.

Order—dated 23rd April 1884, No. 1032 W., Public Works.

Communicated to the Superintending Engineer, VI Circle, for the information and guidance of the Executive Engineer, Madura Division.

2. The report is satisfactory.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
" Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 23rd.

Recd. *Encl.*

G.O., 23rd April 1884, No. 1032 W.

APRIL.

Inspection

Passing orders on the notes of — on the Madura divisional office, submitted by the Examiner, Public Works Accounts.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

From G. T. WALCH, Esq., Officiating Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Cocanada, 16th November 1883, No. 2466 G.D.

In forwarding, herewith, copy of letter, No. 416, dated 9th October 1883, from the Executive Engineer, Central division, Godávari, I have the honor to inform you that, when the Central delta was a sub-division under the Eastern division, Godávari, there were one clerk, 4th class, 3rd grade, one messenger and three lascars attached to the sub-division office on the permanent establishment.

2. The sub-division and division in which the above establishment was employed having been made temporary,* the sub-divisional clerk has been provided with a permanent post in the Eastern division, Godávari, so that he may have a lien on the permanent post while employed in the temporary division (C. division), but the case of messenger and lascars has not yet been settled. I now request you will be good enough to obtain the sanction of Government to treat them as "permanent" in order that their services may be counted towards pension, otherwise they will have been severely punished for no fault.

* *Vide* G.O., No. 491 W., dated 14th February 1883.

ENCLOSURE.

From Captain A. R. F. DORWARD, R.E., Executive Engineer, Central Division, Godávari, to the Superintending Engineer, I Circle, dated Gunnaram, 9th October 1883, No. 416.

I have the honor to inform you that when this delta was a sub-division under the Eastern Division Officer there were three lascars and one messenger attached to the sub-division office on the permanent establishment. These lascars and messenger are still employed in this division under the Eastern Sub-division Officer but are now, according to instructions received from the Examiner, treated as "temporary" and do not count their services towards pension. This is so manifestly unfair that I feel sure it has only to be brought to notice to be immediately rectified, and there seems to be no reason why the lascars and messenger should not retain a lien on their original appointments as sub-division lascars in the Eastern division, it being probable that on the completion of the completion Project works this division will again revert to its former condition of a sub-division of the Eastern division.

Office Note from the Examiner, Public Works Accounts, dated 5th December 1883, No. 938.
Do. do. do. „ 3rd April 1884, „ 3.
Do. do. do. „ 9th „ „ „ 25.

ORDER—dated 23rd April 1884, No. 1033 W., Public Works.

The proposal of the Superintending Engineer to treat the messenger and lascars in question as "permanent," irrespective of sanctioned permanent appointments against which they can be counted, is inadmissible; all that can be done is to nominate the men to permanent appointments on vacancies occurring in the circle, and then to detach them for temporary duty under the provisions of section 71 of the Civil Pension Code.

2. The Superintending Engineer will act accordingly.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" Examiner, Public Works Accounts.
" Chief Engineer for Irrigation.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 23rd.

Recd. *Encl.*

G.O., 23rd April 1884, No. 1033 W.

APRIL.

Establishment

Passing orders as to the mode of treatment of the messenger and the three lascars of the permanent — of the late Central Delta sub-division of the Godávari Eastern division.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From Lieutenant-Colonel H. R. MEAD, R.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Trichinopoly, 18th March 1884, No. 2520 T.J.

I have the honor to inform you that, on receipt of a petition by me from the members of Punchayet of Sriavooshtheeswarasami temple at Tiruturaipúndi, in the Tanjore district, bringing to notice that this department took possession of the Sarvamaniam tope, belonging to the temple, for building the district munsif's court, without the consent of the Davastanam committee, I referred it to the Executive Engineer for inquiry and report.

2. The Executive Engineer not being able to trace out any correspondence on the subject, I requested the Collector to inquire into the matter and to inform me of the result. The Collector, in reply, forwarded the Deputy Collector's letter, in which it is stated that the premises on which the munsif's court stands belong to the temple, and that the trustees pay the inam road-cess due on the site to Government.

3. The Deputy Collector further states that no arrangements were made for any rent or compensation since the building was erected, nor are there any records in the munsif's court on the subject.

4. The Collector is of opinion that, as the trustees have no power either to sell the land or give it out on a permanent lease, the land must be taken up under the provisions of the Land Acquisition Act on payment of compensation at Rs. 2 per guli, or about Rs. 260.

5. I therefore request that orders may be issued authorising the Collector to acquire the land under the Act, provided Government consider that the fact of the site having been occupied for years gives no claim to the land. The building was built about thirty-three years ago, fifteen years ago the compound-wall was put up and a ryots' shed erected. I should think that this long occupancy gave Government a right to the land, but of course no right to levy road-cess on the trustees of the pagoda. This irregularity has probably caused the claim now brought forward to be made.

No. 719 C., Public Works.

Referred to the Government Solicitor for opinion.

CHEPÂK,
22nd March 1884.

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Government, P.W.D.

Letter from the Government Solicitor, Madras, dated 27th March 1884, No. 169.

ORDER—dated 24th April 1884, No. 1039 W., Public Works.

The Collector will be instructed, in the Revenue Department, to take steps for obtaining possession of the land under the Land Acquisition Act.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI. Circle.
" Revenue Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 24th.

Recd. *Encl.*

G.O., 24th April 1884, No. 1039 W.

APRIL.

Munsif's Court at Tiruturaipundi

The Collector of Tanjore to be instructed, in the Revenue Department, to acquire the site on which the — is built.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from Colonel H. L. PRENDERGAST, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 7th April 1884, No. 83 :—

I have the honor to submit, for sanction, a revised estimate of Rs. 2,650 for putting up a truss roof over the swimming bath in the Government House at Guindy.

1 Estimate.	1 Specification.
1 Plan.	1 Abstract estimate.
1 Report.	

2. A former estimate of Rs. 690 was sanctioned in G.O., No. 3191 W., dated 12th November 1883, for using the old ridge pole and arch ; but after the monsoon it was found that the woodwork and arch could not bear the weight of a tiled roof, and it became necessary to prepare another estimate.

3. If the funds be provided the work can be carried out shortly, as His Excellency the Governor is about to leave Guindy for some time.

Order—dated 24th April 1884, No. 1041 W., Public Works.

The sanction accorded in G.O., No. 3191 W., dated 12th November 1883, is cancelled.

2. No expenditure should be incurred on the swimming bath except what is absolutely necessary to render the roof secure for the next few years.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle, with six enclosures.
,, Examiner, Public Works Accounts.
,, Military Secretary to His Excellency the Governor.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated April, 24th.

Recd. *Encl*

G.O., 24th April 1884, No. 1041 W.

APRIL.

Government House, Guindy

The sanction accorded in 1883 *to an estimate for providing a tiled roof for the swimming bath at* —, cancelled with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following letter from J. W. RUNDALL, Esq., Superintending Engineer, II Circle, to the Chief Engineer for Irrigation, dated Masulipatam, 3rd April 1884, No. 25 K.S. :—

I have the honor to request that Government will be pleased to authorise a stock account being opened in the Gudiváda division under "building materials" to a limit of Rs. 5,000.

2. In February 1882, the Executive Engineer applied to me for permission to open out a stock account to the extent of Rs. 10,000; but I refused to apply for sanction, because all materials to be obtained would be for sanctioned works, and should be charged off directly to the works for which they were got down.

3. Mr. Hannan now explains that owing to his carrying on a number of small works with an imperfect system of canals, where materials cannot as a rule be sent directly to the works, there have been frequent transfers of materials from one work to another, and that it would simplify the accounts if he charged materials, when received, to "stock," and then issued them to the various works.

4. Under these circumstances, I beg to recommend that authority be given to open a stock account, and that the reserve limit be fixed at Rs. 5,000.

5. There will be only one sub-head, "building materials."

ORDER—dated 24th April 1884, No. 1042 W., Public Works.

The limit of reserve stock in the Gudiváda division, Kistna district, is fixed at Rs. 5,000 for building materials.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, II Circle.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.

IRRIGATION.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 24th.

Recd. *Encl.*

G.O., 24th April 1884, No. 1042 W.

APRIL.

Reserve Stock

The limit of — in the Gudiváda division fixed at Rs. 5,000 for building materials.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following letter from Colonel G. CHESNEY, Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 10th April 1884, No. 360 M.W.:—

In reply to your endorsement, No. 461 W., dated the 20th February 1884, I am directed to convey the sanction of the Government of India to the estimate, amounting to Rs. 12,930, for constructing barracks for a detachment of native infantry at Ootacamund, but I am to remark that the estimate appears high.

2. As regards the provision of funds, I am to state that the Government of India are unable to make any additional allotment on account of this work during the current year. If, therefore, it is desired to commence the work at once, it will be desirable that the funds required should be provided by re-appropriation.

Order—dated 24th April 1884, No. 1043 W., Public Works.

Communicated to the Superintending Engineer, IV Circle, with reference to G.O., No. 460 W., dated 20th February 1884.

2. The views of His Excellency the Commander-in-Chief as to a re-appropriation of funds will be obtained in the Military Department.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
" Examiner, Public Works Accounts.
" Military Department.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 24th.

Recd. *Encl.*

G.O., 24th April 1884, No. 1043 W

APRIL.

Barracks

The sanction of the Government of India to the estimate of Rs. 12,930, *for constructing* — for a detachment of native infantry at Ootacamund, communicated to the Superintending Engineer, IV Circle, with remarks as to the provision of funds for the work during the current year.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

Proceedings of the Government of India, Public Works Department (Account—General), dated Fort William, 13th March 1884, No. 98 A.—G.

Revised and Budget Estimates of XXXIII and 46—Civil Buildings, Roads and Services—Provincial Services and Incorporated Local Funds—for 1883-84 and 1884-85.

Read—the following papers :—

Public Works Department letter, No. 61 A.—G., dated 13th February 1884.
Letter No. 167, dated 9th January 1884, from Chief Commissioner, Central Provinces.
" " 216 " 11th " " from " " " "
" " 250 " 14th " " from " " " "
" " 381 " 19th " " from " " " "
" " 268 " 19th " " from " " British Burmah.
" " 412 " 17th " " from " " " "
" " 881½ " 7th February " from " " " "
Telegram, dated 8th February " from " " " "
P.W.D. telegram, dated 11th Feb. " to " " " "
Telegram, dated 12th February " from " " " "
Letter No. 1125-3A., dated 14th Feb. " from " " " "
Letters Nos. 84 and 85, dated 11th February 1884, from Chief Commissioner, Assam.
Letter No. 415, dated 18th February 1884, from " " "
Telegrams, dated 22nd and 25th February 1884, from " " "
P.W.D. telegram, dated 27th February 1884, to Chief Commissioner, Assam.
Letter No. 149, dated 15th February 1884, from Secy. to Government of Bengal.
" " 489 " 11th " " from " " "
" " 158 " 15th " " from " " "
" " 677 " 21st " " from " " "
" " 700 " 22nd " " from " " "
" " 163 " 12th January " from " " North-Western Provinces and Oudh.
Letter No. 927, dated 17th January 1884, from ditto. ditto. ditto.
Telegram, dated 6th February 1884, from ditto. ditto. ditto.
P.W.D. telegram, dated 28th February 1884, to ditto. ditto. ditto.
Telegram, dated 1st March 1884, from ditto. ditto. ditto.
Letter No. 25, dated 12th January 1884, from Secy. to Government of Punjab.
" " 241 " 14th " " from " " "
P.W.D. telegram, dated 28th February, to " " "
Telegram, dated 29th February, from " " "
Letter No. 3714 " 31st December 1883, from " " Madras.
" " 73 " 11th January 1884, from " " "
" " 93 " 12th " " from " " "
" " 330 " 7th February " from " " "
Telegram, dated 26th February " from " " "
P.W.D. telegram, dated 20th Feb. " to " " "
Telegram, dated 29th February " from " " "

Letters Nos. 4 and 5, dated 11th January 1884,	from Secy. to Government of Bombay.					
" " 24—158 " 5th February	"	from	"	"	"	
Telegram, dated 12th February	"	from	"	"	"	
Letter No. 207, dated 27th February	"	from	"	"	"	
Telegram, dated 27th February	"	from	"	"	"	
P.W.D. telegram, dated 28th February	"	to	"	"	"	
Telegram, dated 29th February	"	from	"	"	"	
Letter No. 429—1442, dated 24th December	1883, from Chief Commissioner of Coorg.					
" " 434—1449 " 9th January	1884, from		"	"	"	
P.W.D. telegram, dated 5th February 1884,	to Agent, Governor-General, Rajputana.					
Letter No. 334 " 11th	"	from	"	"	"	
" " 153 G. " 8th March	"	from Accountant-General, P.W.Dept.				

Resolution—The estimates of revenue and expenditure accepted by the Government of India are shown in the following tables :—

CIVIL BUILDINGS, ROADS AND SERVICES.

PROVINCIAL SERVICES.

—	Actuals, 1882-83.			Budget Estimate, 1883-84.			Revised Estimate, 1883-84.			Budget Estimate, 1884-85.		
	Public Works.	Public Works in charge of Civil Officers.	Total.	Public Works.	Public Works in charge of Civil Officers.	Total.	Public Works.	Public Works in charge of Civil Officers.	Total.	Public Works.	Public Works in charge of Civil Officers.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
India (General and Political). Coorg	..	..	..	..	..	..	..	..	..	..	..	..
Rajputana	..	..	..	..	..	..	..	..	..	..	..	..
Central India ..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..	..	..	..	..
Central Provinces	23,165	48,274	71,439	27,000	60,000	87,000	25,000	45,000	70,000	24,000	44,000	68,000
British Burmah	56,446	439	56,885	45,000	1,000	46,000	45,000	1,000	46,000	45,000	1,000	46,000
Assam	15,720	77	15,797	6,500	..	6,500	4,000	3,000	7,000	3,500	..	3,500
Bengal	2,13,127	5,22,510	7,35,637	2,50,000	5,34,000	7,84,000	2,00,000	5,10,000	7,10,000	7,50,000	5,11,000	12,61,000
North-Western Provinces and Oudh ..	5,05,070	7,68,730	12,73,800	1,55,000	7,91,000	9,46,000	1,55,000	7,79,000	9,34,000	1,55,000	7,76,000	9,31,000
Punjab	39,558	5,85,386	6,24,944	34,000	6,05,000	6,39,000	40,000	5,70,000	6,10,000	40,000	5,57,000	5,97,000
Madras	72,858	6,279	79,137	2,00,000	5,000	2,05,000	1,00,000	8,000	1,08,000	1,97,000	7,000	2,04,000
Bombay	7,06,821	9,511	7,16,332	6,51,200	7,000	6,58,200	6,66,300	9,000	6,75,300	6,86,800	9,000	6,95,800
Grand Total ..	16,32,765	19,41,206	35,73,971	13,68,700	20,03,000	33,71,700	12,35,300	19,25,000	31,60,300	19,01,300	19,05,000	38,06,300

INCORPORATED LOCAL FUNDS.

—	Actuals, 1882-83.			Budget Estimate, 1883-84.			Revised Estimate, 1883-84.			Budget Estimate, 1884-85.		
	Public Works.	Public Works in charge of Civil Officers.	Total.	Public Works.	Public Works in charge of Civil Officers.	Total.	Public Works.	Public Works in charge of Civil Officers.	Total.	Public Works.	Public Works in charge of Civil Officers.	Total.
	14	15	16	17	18	19	20	21	22	23	24	25
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
India (General and Political). Coorg	..	19,493	19,493	..	19,000	19,000	..	21,000	21,000	..	21,000	21,000
Rajputana	..	214	214	..	..	..	..	..	..	..	..	..
Central India ..	..	54	54	..	..	..	..	..	..	..	..	..
Total ..	..	19,761	19,761	..	19,000	19,000	..	21,000	21,000	..	21,000	21,000
Central Provinces	..	74,288	74,288	..	62,000	62,000	..	74,000	74,000	..	70,000	70,000
British Burmah	..	41,429	41,429	..	40,000	40,000	..	40,000	40,000	..	42,000	42,000
Assam	..	1,13,512	1,13,512	..	99,000	99,000	..	1,05,000	1,05,000	..	1,09,000	1,09,000
Bengal	..	476	476		..	..		100	100		100	100
North-Western Provinces and Oudh ..	6,180	49,179	55,359	6,000	66,000	72,000	6,000	58,000	64,000	6,000	55,000	61,000
Punjab	221	..	221	..	..	..	..	..	..	..	..	..
Madras	8,784	6,20,773	6,29,557	..	5,31,000	5,31,000	6,000	6,30,000	6,36,000	7,000	6,62,000	6,69,000
Bombay	17,868	3,19,115	3,36,983	16,800	3,54,000	3,70,800	18,000	3,36,000	3,54,000	17,480	3,36,000	3,53,480
Grand Total ..	33,053	12,38,533	12,71,586	22,800	11,71,000	11,93,800	30,000	12,64,100	12,94,100	30,480	12,95,100	13,25,580

48—EXPENDITURE.

Civil Buildings, Roads and Services.

PROVINCIAL SERVICES.

—	Actuals, 1882-83. Public Works.	Actuals, 1882-83. Public Works in charge of Civil Officers.	Actuals, 1882-83. Total.	Budget Estimate, 1883-84. Public Works.	Budget Estimate, 1883-84. Public Works in charge of Civil Officers.	Budget Estimate, 1883-84. Total.	Revised Estimate, 1883-84. Public Works.	Revised Estimate, 1883-84. Public Works in charge of Civil Officers.	Revised Estimate, 1883-84. Total.	Budget Estimate, 1884-85. Public Works.	Budget Estimate, 1884-85. Public Works in charge of Civil Officers.	Budget Estimate, 1884-85. Total.
1	2	3	4	5	6	7	8	9	10	11	12	13
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
India (General and Political). Coorg ..	..	..	..	..	..	..	..	..	..	..	..	..
India (General and Political). Rajputana ..	..	..	..	..	..	..	..	..	..	..	..	..
India (General and Political). Central India.	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..	..	..	..	..
Central Provinces	10,00,920	6,495	10,07,415	10,00,000	6,000	10,06,000	10,00,000	6,000	10,06,000	14,00,000	5,000	14,05,000
British Burmah	30,65,545	51,150	31,16,695	31,42,000	..	31,42,000	28,60,000	51,000	29,11,000	16,27,000	51,000	16,78,000
Assam	5,13,376	2,178	5,15,554	7,16,000	..	7,16,000	5,46,200	9,000	5,55,200	7,79,400	..	7,79,400
Bengal	66,82,212	46,679	67,28,891	40,77,200	54,000	41,31,200	45,33,000	1,48,000	46,81,000	23,00,000	59,000	23,59,000
North-Western Provinces and Oudh.	30,69,950	90,601	31,60,551	31,26,500	89,000	32,15,500	32,45,700	81,000	33,26,700	29,34,800	84,000	30,18,800
Punjab	30,03,570	38,487	30,42,057	27,41,000	42,000	27,83,000	28,56,000	45,000	29,01,000	27,21,000	45,000	27,66,000
Madras	17,16,767	2,84,747	20,01,514	21,50,000	2,70,000	24,20,000	22,67,190	2,65,000	25,32,190	22,40,000	2,67,000	25,07,000
Bombay	33,74,895	1,00,413	34,75,308	30,97,000	65,000	31,62,000	35,94,205	67,000	36,61,205	34,80,000	63,000	35,43,000
Grand Total ..	2,24,27,235	6,20,750	2,30,47,985	2,00,49,700	5,26,000	2,05,75,700	2,09,02,295	6,72,000	2,15,74,295	1,74,82,200	5,74,000	1,80,56,200

INCORPORATED LOCAL FUNDS.

—	Actuals, 1882-83. Public Works.	Actuals, 1882-83. Public Works in charge of Civil Officers.	Actuals, 1882-83. Total.	Budget Estimate, 1883-84. Public Works.	Budget Estimate, 1883-84. Public Works in charge of Civil Officers.	Budget Estimate, 1883-84. Total.	Revised Estimate, 1883-84. Public Works.	Revised Estimate, 1883-84. Public Works in charge of Civil Officers.	Revised Estimate, 1883-84. Total.	Budget Estimate, 1884-85. Public Works.	Budget Estimate, 1884-85. Public Works in charge of Civil Officers.	Budget Estimate, 1884-85. Total.
	14	15	16	17	18	19	20	21	22	23	24	25
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
India (General and Political). Coorg ..	15,902	194	16,096	33,000	2,200	35,200	33,000	200	33,200	51,880	2,600	54,480
India (General and Political). Rajputana ..	12,225	1,074	13,299	10,800	3,000	19,800	20,100	500	20,600	19,200	1,300	20,500
India (General and Political). Central India.	..	8,381	8,381	..	7,000	7,000	..	7,300	7,300	..	9,100	9,100
Total ..	28,127	9,649	37,776	49,800	12,200	62,000	53,100	8,000	61,100	71,080	13,000	84,080
Central Provinces	41,060	2,84,789	3,25,849	60,000	2,60,000	3,20,000	40,000	2,60,000	3,00,000	44,075	2,92,000	3,36,075
British Burmah	5,85,896	1,25,252	7,11,148	5,74,000	2,08,000	7,82,000	5,60,000	1,69,000	7,29,000	1,65,900	1,08,000	2,73,900
Assam	..	9,08,252	9,08,252	..	11,15,000	11,15,000	..	11,86,000	11,86,000	..	11,05,000	11,05,000
Bengal	17,972	36,62,035	36,80,007	31,000	44,92,000	45,23,000	31,000	35,50,000	35,81,000	39,840	40,55,000	40,94,840
North-Western Provinces and Oudh.	17,98,731	2,19,536	20,18,267	29,41,000	2,34,000	31,75,000	29,83,200	2,33,000	32,16,200	25,15,200	1,96,000	27,11,200
Punjab	7,57,916	22	7,57,938	7,68,000	..	7,68,000	7,60,000	..	7,60,000	9,10,988	..	9,10,988
Madras	97,836	37,81,331	38,79,167	53,000	41,59,000	42,12,000	61,034	41,90,000	42,51,034	1,13,500	43,00,000	44,13,500
Bombay	21,68,114	1,19,352	22,87,466	22,03,000	1,43,000	23,46,000	23,94,396	1,36,000	25,30,396	20,35,790	1,36,000	21,71,790
Grand Total ..	54,95,652	91,10,218	1,46,05,870	66,79,800	1,06,23,200	1,73,03,000	68,82,730	97,32,000	1,66,14,730	58,96,373	1,02,05,000	1,61,01,373

2. The following remarks should receive careful attention in the preparation of the final issue of the Budget Estimates, the Schedules of Establishment (Part III) being amended where possible :—

(*a*)—The Engineer and Upper Subordinate Establishments chargeable to Provincial Services only have been detailed in Part III of the Assam Budget Estimate for 1884-85. In the final issue of this estimate the entire establishment employed in the Administration should be detailed in the first instance and then the necessary distribution made to the several heads.

(*b*)—In the Central Provinces the provision for Supervisors is much in excess of the number actually employed, and it appears unnecessary to provide for a Sub-Engineer of the 1st grade.

(*c*)—In Burmah the transfers of Engineers and Upper Subordinates should be allowed for. At present, including the provision for supernumerary establishment, the estimate is in excess of the actual strength. The excess is in the 4th grade of Executive Engineers, in the 1st grade of Supervisors and in Overseers. If any more men are available for transfer their names should be reported at once, in order that the establishment charge, which is at present very heavy, may, if possible, be reduced. The reduction made in minor establishments, considering the great reduction in grant, is small, and it should be considered whether further reductions cannot be made.

(*d*)—In the Punjab only 18 Assistant Engineers of the 2nd and 3rd grades are provided for in 1884-85, while 21 are actually employed; provision should apparently be made for the remainder.

(*e*)—In the North-Western Provinces and Oudh there appear to be too many Upper Subordinates estimated for in the higher grades, and too few in the lower.

(*f*)—The Madras Budget for Engineer and Upper Subordinate Establishments is framed on the principle of estimating for full sanctioned strength, omitting men permanently lent, and then deducting a lump sum of Rs. 50,000 for absentees from the whole establishment. There seems to be a danger of over-estimating by pursuing this method. The Upper Subordinates especially being estimated up to full sanction in the higher grades appear to be in excess of actuals. The lump sum deduction may suffice, but it would be safer to estimate the numbers likely to be present in each grade of Engineer and Upper Subordinate Establishments for the year, and would moreover afford a better idea of what these two classes of establishment are really costing. A lump sum of Rs. 2,00,510 is entered for temporary establishment; this should be distributed over the several classes of establishment so as to show the nature of the temporary establishment.

(*g*)—Part III of the Budget of the Budget Estimate for 1884-85 has not up to the present been received from the Government of Bengal. If it is found impracticable to submit this Schedule with the preliminary issue of the Budget Estimate, arrangements should be made to submit it immediately after.

Order—Ordered that the foregoing be forwarded to the Local Governments and Administrations noted in the margin, for information and guidance, with the request that 35 printed copies of the Budget Estimate for Provincial Services and Incorporated Local Funds, prepared for the precise amounts adopted by the Government of India, may be forwarded so as to reach the Government of India not later than the 1st May 1884.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab, in the Public Works Department.
The Chief Commissioners, Central Provinces, British Burmah, Assam and Coorg.
The Agents to the Governor-General for Central India and Rajputana.

Ordered also, that a copy be forwarded to the Government of India in the Department of Finance, and to the Accountant-General, Public Works Department, for information.

(Signed) W. S. TREVOR, Colonel, R.E.,
Secretary to the Government of India.

To the Secretary to the Government of Madras, Public Works Department.

Office note from the Examiner, Public Works Accounts, dated 31st March 1884, No. 1314.
" " the Chief Engineer for Irrigation, dated 8th April 1884, No. 77.

ORDER—dated 24th April 1884, No. 1044 W., Public Works.

Ordered that the final issue of the Provincial Service Fund Budget Estimate for 1884-85 be struck off and 35 copies, as noted in the margin, be forwarded to the Government of India.

To Simla	10
" Calcutta	25
	35

2. Alterations have been made in the revised estimate for 1883-84, in conformity with the total figures given in the statement embodied in the first paragraph of the resolution of the Government of India recorded above.

3. In accordance with G.O., No. 244 W. of the 28th January 1884, the budget for 1884-85 has been reduced by Rs. 50,000, and has been prepared for a total grant of Rs. 22,40,000.

4. As the estimate sanctioned in G.O., No. 107 W. of the 14th January 1884, for proposed additions to the divisional office at Berhampore, in the Ganjam division, is less than Rs. 2,500, the work has been omitted in the final issue of the budget under class A. The Superintending Engineer, I Circle, will apply for the requisite funds to carry out the work in his statement of demands on the reserve.

5. The grant for alterations of the roads and replanting Chepâk Park has been increased to Rs. 25,000, to admit of the new bridge over the Buckingham canal being proceeded with during the current year.

6. The provision made in the preliminary issue of the budget on account of items Nos. 17, 26, 53, 67, 82, and 90 have been withdrawn, as the grants are not now required; and the grants allotted for items Nos. 6 and 30 have been transferred so as to provide for the construction of the taluk cutcherries at Bhímavaram and Ammayanáyakanúr, in lieu of those entered in the preliminary issue of the budget, in accordance with G.O., No. 850 W. of the 28th March 1884, and No. 709 W. of the 15th March 1884. The grants provided for items Nos. 94 and 96 have been reduced by the amount of the allotments made for those works during 1883-84.

7. In accordance with paragraph 2 (f) of the resolution of the Government of India, No. 98 A.G., dated 13th March 1884, the budget for Engineer and Upper Subordinate establishments has been estimated for only the existing strength, and the lump sum provisions allowed for absentees and for temporary establishment have been distributed over the several classes of establishment.

8. For the class A. works noted below, for which provision of funds has been made in the final issue of the budget, detailed plans and estimates have not yet been

sanctioned. The Superintending Engineers concerned will expedite the submission of the same, in order to bring under rule the expenditure that may be incurred :—

		RS.
Item No. 35	...	3,500
,, ,, 53	...	4,520
,, ,, 57	...	20,000
,, ,, 64	...	5,000
,, ,, 65	...	9,000
,, ,, 67	...	4,200
,, ,, 68	...	3,000
,, ,, 69	...	8,400
,, ,, 100	...	2,650
,, ,, 108	...	2,520
,, Nos. 72 to 75, Grants included under item No. 71.		

9. With these remarks, the final issue of the Budget Estimate for Provincial Services for 1884-85 is circulated for the information and guidance of the officers of the department.

(Here enter No. 1045 W., dated 24th April 1884.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
,, General Superintendent, Public Works Stores and Workshops.
,, Chief Engineer for Irrigation.
,, Examiner, Public Works Accounts.
,, Financial Department.
,, Revenue do.
,, Judicial do.
,, Educational do.
,, Medical do.
,, Ecclesiastical do.

ENDORSEMENT—dated 24th April 1884, No. 1045 W., Public Works.

Copy of the above Proceedings forwarded to the Government of India, with 35 copies of the Budget Estimate.

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

GENERAL.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 24th.

Recd. *Encl.*

G.O., 24th April 1884, No. 1045 W.

APRIL.

Budget Estimate

Forwarding copy of Proceedings, circulating the final issue of the — for Provincial Services for 1884-85 with copies of the budget.

FINAL ISSUE.

PROVINCIAL SERVICES. MADRAS.
PUBLIC WORKS BUDGET-ESTIMATE.

PUBLIC WORKS DEPARTMENT.

PROVINCIAL SERVICE BUDGET-ESTIMATE

OF THE

PUBLIC WORKS DEPARTMENT

OF THE

GOVERNMENT OF MADRAS

FOR THE YEAR

1884-85.

CHEPAK,
24th April 1884.

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

CONTENTS.

	PAGE
Budget-Estimate of Revenue under Provincial Services	2
" Expenditure " "	3
Details of Budget-Estimate under Expenditure—	
Part I.—Details of Estimate for Original Works, Class A	4—23
" I.— " " " " " B	24—27
" II.— " " Repairs	28
" III.— " " Establishment	29—56
" IV.— " " Tools and Plant	57, 58
" VI.— " " Stock and Suspense	59
Appendices to above—	
Appendix A.—Distribution of the grant by Departments	60
" D.—Estimated Account of Total Receipts and Total Expenditure of the Province for the years 1881-82 and 1882-83	61
" E.—Statement showing the approximate percentage which the charges for establishment bear to the expenditure on Works and Repairs in 1884-85	62

GOVERNMENT OF MADRAS.

BUDGET-ESTIMATE OF PROVINCIAL SERVICES PUBLIC WORKS REVENUE IN MADRAS FOR THE YEAR 1884-85.

BUDGET-ESTIMATE OF THE REVENUE THAT WILL BE REALIZED BY, AND ON ACCOUNT OF, PROVINCIAL SERVICES OF THE PUBLIC WORKS DEPARTMENT IN MADRAS FOR THE YEAR FROM 1ST APRIL 1884 TO 31ST MARCH 1885.

—	Budget Estimate, 1884-85.	Budget Estimate, 1883-84.	Revised Estimate, 1883-84.
	Rs.	Rs.	Rs.
Realised in the Public Works Department	1,97,000	2,00,000	1,00,000
Total ...	1,97,000	2,00,000	1,00,000

GOVERNMENT OF MADRAS.

BUDGET-ESTIMATE OF EXPENDITURE ON PUBLIC WORKS FROM PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1884-85.

Abstract of the Estimated Expenditure for Public Works under Provincial Services in Madras for the year from 1st April 1884 to 31st March 1885.

—	Reference to Detailed Estimate.	Budget Estimate, 1884-85.	Budget Estimate, 1883-84.	Revised Estimate, 1883-84.
	Rs.	Rs.	Rs.	Rs.
Original Works.				
Civil Buildings	...	11,81,644	8,27,391	12,70,193
Communications	...	84,000	64,630	1,34,968
Miscellaneous Public Improvements	...	47,532	55,400	76,563
	...	13,13,176	9,47,421	14,81,724
Repairs.				
Civil Buildings	...	1,42,400	1,20,000	1,51,010
Communications	...	48,000	37,000	41,472
Miscellaneous Public Improvements	...	4,600	3,000	7,225
	...	1,95,000	1,60,000	1,99,707
Total, Works and Repairs.				
Civil Buildings	...	13,24,044	9,47,391	14,21,203
Communications	...	1,32,000	1,01,630	1,76,440
Miscellaneous Public Improvements	...	52,132	58,400	83,788
	...	15,08,176	11,07,421	16,81,431
Establishment	...	7,27,987	9,50,734	5,05,597
Tools and Plant	...	70,837	64,345	52,662
Stock and Suspense	...	− 67,000	27,500	27,500
Profit and Loss	...	...	..	...
Total ...	...	22,40,000	21,50,000	22,67,190

Abstract of the Charges to be incurred by the Public Works Department from Provincial Services and Contributions as detailed within.

—	1884-85. Original Works.	Repairs.	Establishment.	Tools and Plant.	Stock and Suspense.	Total.	Budget Estimate, 1883-84.	Revised Estimate, 1883-84.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Provision from Provincial Services—								
In India ...	13,13,176	1,95,000	22,28,466	48,156	−67,000	37,17,798	33,79,986	36,60,392
In England ...	...	...	...	50,000	...	50,000	67,291	67,291
Total as above ...	13,13,176	1,95,000	22,28,466	98,156	−67,000	37,67,798	34,47,277	37,27,683
Provision from Contributions—								
In India ...	...	...	15,00,479	27,319	...	15,27,798	12,97,277	14,60,493
Grand Total ...	13,13,176	1,95,000	7,27,987	70,837	−67,000	22,40,000	21,50,000	22,67,190

GOVERNMENT

PART I—CLASS

DETAIL OF THE BUDGET ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.
					Rs.
				PROVINCIAL ORDINARY.	
				Civil Buildings.	
				Original Works.	
Provincial Services Imperial— 12. Administration.	Ganjam ...	Berhampore.	1	Senior Assistant Collector's cutcherry ...	6,900
	Vizagapatam.	Párvatipur.	2	Third-class taluk cutcherry	8,460
	Do. ...	Anakápalle.	3	Second-class do.	9,310
	Eastern Godávari.	Cocanada ...	4	Additions to the Collector's cutcherry ...	31,870
	Western Godávari.	Tanuku ...	5	First-class taluk cutcherry	21,420
	Do. ...	Bhímavaram	6	Do. do.	22,650
	Eastern Kistna.	Masulipatam	7	Improvements to the Collector's cutcherry.	34,845
	Do. ...	Do. ...	8	Improvements to the Collector's house...	5,744
	Bellary ...	Harpanahalli.	9	Taluk cutcherry	26,715
	Do. ...	Adóni ...	10	Do.	31,680
	Do. ...	Bukkapatnam.	11	Second-class taluk cutcherry	17,600
	Do. ...	Ráyadrug...	12	Verandah to taluk cutcherry	3,490
	Do. ...	Adóni ...	13	Deputy Collector's cutcherry	6,460
	Do. ...	Penukonda.	14	Head Assistant Collector's cutcherry ...	12,240
	Cuddapah ...	Madanapalle.	15	Sub-Collector's cutcherry	14,895
				Carried over ...	...

OF MADRAS.

A WORKS.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1884-85.

Outlay.		Grant, 1884-85.		Item No.	Remarks and References.
Actual to end of 1882-83.	Probable during 1883-84.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
...	...	6,900	...	1	G.O., No. 2902 W., of 15th October 1883. Item No. 7, Class B Works, Budget of 1883-84.
1,108	5,960	892	...	2	G.O., No. 66 W., of 12th January 1881. Item No. 17, Class A Works, Budget of 1883-84.
...	...	9,310	...	3	G.O., No. 2899 W. of 15th October 1883.
12,345	...	10,000	...	4	G.Os., Nos. 106, of 14th July 1875, and 2363 W., of 1st June 1878. Item No. 8, Class B Works, Budget of 1883-84.
...	...	10,000	...	5	G.O., No. 3563, of 20th December 1875. Item No. 11, Class B Works, Budget of 1883-84.
...	...	10,000	...	6	G.O., No. 3563, of 20th December 1875. Item No. 12, Class B Works, Budget of 1883-84.
2,396	8,194	16,319	...	7	G.O., No. 499 W., of 15th February 1883. Item No. 9, Class A Works, Budget of 1883-84.
...	2,744	3,000	...	8	G.O., No. 2265 W., of 14th August 1883.
2,031	10,000	10,000	...	9	G.O., No. 3529, of 15th December 1874. Item No. 18, Class A Works, Budget of 1883-84.
...	15,000	16,000	...	10	G.O., No. 59, of 7th July 1875. Item No. 19, Class A Works, Budget of 1883-84.
...	...	10,000	...	11	G.O., No. 29, of 3rd February 1876. Item No. 2, Class B Works, Budget of 1883-84.
...	...	3,490	...	12	G.O., No. 4001 W., of 14th October 1878. Item No. 3, Class B Works, Budget of 1883-84.
...	4,000	2,460	...	13	G.O., No. 2492 W., of 5th September 1883.
...	...	12,240	...	14	G.O., No. 2900 W., of 15th October 1883.
759	4,000	8,000	...	15	G.O., No. 2137 W., dated 13th May 1870. Item No. 5, Class B Works, Budget of 1883-84.
...	...	1,28,611	...		

DETAIL OF THE BUDGET ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	...
				PROVINCIAL ORDINARY—*cont.*	
				Civil Buildings—*cont.*	
				Original Works—cont.	
Provincial Services Imperial—*cont.* 12. Administration—*cont.*	Cuddapah ...	Pulivendla.	16	Taluk cutcherry with out-houses ...	22,150
	Bellary ...	Anantapur.	17	Collector's cutcherry	55,000
	Do. ...	Do. ...	18	Residence for Collector	30,875
	Coimbatore..	Mangalore...	19	Additions to the Collector's cutcherry ...	29,370
	Nílgiri ...	Ootacamund.	20	Government House, Ootacamund, with additions and improvements.	7,79,150
	Do. ...	Do. ...	21	Government House furniture charges ...	5,000 (items 21–23)
	Presidency.	Guindy ...	22	Do. do. ...	
	Do. ...	Madras ...	23	Do. do. ...	
	Do. ...	Madras ...	24	Additions and improvements to the Stationery and Stamp office.	24,240
	Tanjore ...	Mannárgudi.	25	Office for the Deputy Collector... ...	7,895
	Trichinopoly.	Perambalúr.	26	First-class taluk cutcherry	27,000
	Madura ...	Kodaikánal.	27	Deputy tahsildar's cutcherry with out-houses.	11,160
	Do. ...	Ammayanáyakanúr.	28	Deputy tahsildar's cutcherry	11,828
	Do. ...	Oothamapoliem.	29	Deputy tahsildar's cutcherry	11,993
				Carried over ...	...

OF MADRAS.

A WORKS—cont.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1884-85—*cont.*

Outlay.		Grant, 1884-85.		Item No.	Remarks and References.
Actual to end of 1882-83.	Probable during 1883-84.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
...	...	1,28,611			
...	5,000	12,000	...	16	G.O., No. 2744 W., of 7th November 1881. Item No. 6, Class B Works, Budget of 1883-84.
...	1,000	41,500	...	17	G.O., No. 3498 W., dated 6th December 1883.
...	8,000	19,000	...	18	G.O., No. 3010 W., of 24th October 1883.
8,000	14,338	7,032	...	19	G.O., No. 200 W., of 18th January 1883. Item No. 16, Class A Works, Budget of 1883-84.
4,58,118	1,05,000	75,000	...	20	G.O., No. 2459 W., of 3rd September 1883. Item No. 13, Class A Works, Budget of 1883-84.
...	...	1,000	...	21	G.Os., Nos. 2220, of 2nd August 1875, and 2153, of 17th August 1876. Items Nos. 3, 4 and 5, Class A Works, Budget of 1883-84.
...	...	1,000	...	22	
...	...	3,000	...	23	
...	...	24,200	...	24	G.O., No. 695 W., of 14th March 1884.
...	5,000	2,895	...	25	G.O., No. 1293 W., of 2nd May 1883. Item No. 21, Class A Works, Budget of 1883-84.
10,860	9,620	3,000	...	26	G.O., No. 2769 W., of 6th July 1878. Item No. 11, Class A Works, Budget of 1883-84.
...	6,000	4,160	...	27	G.O., No. 2916 W., of 16th October 1883. Item No. 20, Class A Works, Budget of 1883-84.
...	...	10,000	...	28	G.O., No. 515 W., of 1st February 1878. Item No. 15, Class B Works, Budget of 1883-84.
...	...	10,000	...	29	G.O., No. 515 W., of 1st February 1878. Item No. 16, Class B Works, Budget of 1883-84.
		3,42,398			

GOVERNMENT

PART I—CLASS

DETAIL OF THE BUDGET ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	...
				PROVINCIAL ORDINARY—*cont.*	
				Civil Buildings—*cont.*	
				Original Works—cont.	
Provincial Services Imperial—*cont.* 12. Administration —*cont.*	Madura ...	Vedasender.	30	Deputy tahsildar's cutcherry	11,828
	Tinnevelly.	Shermádevi.	31	Head Assistant Collector's office ...	10,275
	South Arcot.	Munjakuppum.	32	Cutcherry for Collector of South Arcot.	8,528
	Tanjore ...	Tanjore ..	33	Deputy Collector's office	2,855
	Coimbatore.	Pollâchi ...	34	Residence for the Head Assistant Collector.	10,580
	Bellary ...	Anantapur.	35	District Forest Officer's residence ...	...
13. Minor Departments.	Presidency.	Madras ...	36	Providing lightning conductor to the Government Central Museum.	2,850
14. Law and Justice.	Eastern Godávari.	Rajahmundry.	37	New court-house	33,200
	Do. ...	Peddápuram.	38	District munsif's court	10,300
	Do. ...	Pithápuram.	39	Sub-magistrate's cutcherry	7,040
	Coimbatore.	Cundapur ..	40	District munsif's court	12,380
	Do. ...	Puthur ...	41	Do. do.	17,140
	Kurnool ...	Owk ..	42	Sub-magistrate's cutcherry	14,100
	Do. ...	Peapalle ...	43	Do. do.	11,802
	Bellary ...	Siruguppa...	44	Do. do.	12,680
	Coimbatore..	Kuthuparambá.	45	Do. do.	15,085
				Carried over ...	

OF MADRAS.

A WORKS—cont.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1884-85—*cont.*

Outlay.		Grant, 1884-85.		Item No.	Remarks and References.
Actual to end of 1882-83.	Probable during 1883-84.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
...	...	3,42,398	...		
...	...	10,000	...	30	G.O., No. 515 W., of 1st February 1878. Item No. 17, Class B Works, Budget of 1883-84.
...	...	10,275	...	31	G.O., No. 1353 W., of 12th May 1879. Item No. 19, Class B Works, Budget of 1883-84.
1,506	1,328	3,494	...	32	G.O., No. 294 W., of 26th January 1883. Item No. 2, Class A Works, Budget of 1883-84.
...	2,000	855	...	33	G.O., No. 1453 W., of 19th May 1883.
...	3,030	7,550	...	34	G.O., No. 4761 W., of 14th December 1878. Item No. 4, Class B Works, Budget of 1883-84.
...	...	3,500		35	Estimate awaited.
			3,78,072		
...	...	2,850		36	G.O., No. 1946 W., of 8th August 1881. Item No. 22, Class B Works, Budget of 1883-84.
			2,850		
...	12,000	15,000	...	37	G.O., No. 582 W., of 4th February 1878. Item No. 25, Class A Works, Budget of 1883-84.
...	...	5,000	...	38	G.O., No. 778 W., of 25th September 1877. Item No. 27, Class B Works, Budget of 1883-84.
...	...	5,000	...	39	G.O., No. 1214 W., of 8th May 1877. Item No. 29, Class B Works, Budget of 1883-84.
313	7,000	5,000	...	40	G.O., No. 1376 W., of 11th May 1883. Item No. 34 Class A Works, Budget of 1883-84.
2,500	7,200	7,000	...	41	G.O., No. 3080 W., of 31st October 1883. Item No. 37, Class A Works, Budget of 1883-84.
...	...	8,000	...	42	G.O., No. 2254 W., of 22nd May 1878. Item No. 31, Class B Works, Budget of 1883-84.
...	...	8,000	...	43	G.O., No. 2254 W., of 22nd May 1878. Item No. 32, Class B Works, Budget of 1883-84.
...	...	5,000	...	44	G.O., No. 22 W., of 6th January 1879. Item No. 23, Class B Works, Budget of 1883-84.
...	10,989	4,096	...	45	G.O., No. 1021 W., of 26th March 1877. Item No. 38, Class A Works, Budget of 1883-84.
...	...	62,096	3,80,922		

GOVERNMENT

PART I—CLASS

DETAIL OF THE BUDGET ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	...
				PROVINCIAL ORDINARY—*cont.*	
				Civil Buildings—*cont.*	
				Original Works—cont.	
Provincial Services Imperial—*cont.*	Chingleput.	Tiruvallúr.	46	Additions to the district munsif's court.	5,560
14—Law and Justice—*concld.*	Negapatam..	Negapatam.	47	Sub-magistrate's cutcherry and police station.	6,420
	Trichinopoly.	Ariyalúr ...	48	District munsif's court	13,800
	Do. ...	Kulitalai ...	49	Do. do.	16,100
	Madura ...	Sivaganga...	50	Do. do.	14,900
15. Ecclesiastical.	Tanjore ...	Pudupatnam.	51	Cemetery at	3,170
Provincial—					
16. Jails	Eastern Godávari.	Rajahmundry.	52	Proposed water-supply and improvements of the existing drainage of the Central Jail.	30,000
	Do. ...	Do. ...	53	Constructing a police guard-room, &c., at the district jail.	...
	Bellary ...	Alúr ...	54	Subsidiary jail	10,770
	North Arcot.	Vellore ...	55	Close cellular prison	40,970
	Tanjore ...	Tanjore ...	56	District jail	2,11,100
	Trichinopoly.	Trichinopoly.	57	Do.	...
	Coimbatore.	Coimbatore.	58	Close cellular prison	21,935
				Carried over ...	...

OF MADRAS.

A WORKS—cont.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1884-85—*cont.*

Outlay.		Grant, 1884-85.		Item No.	Remarks and References.
Actual to end of 1882-83.	Probable during 1883-84.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
...	...	62,096	3,80,922		
...	...	5,560	...	46	G.O., No. 2153 W., of 31st August 1881. Item No. 24, Class B Works. Budget of 1883-84.
...	5,000	1,420	...	47	G.O., No. 1395 W., of 12th May 1883. Item No. 31, Class A Works. Budget of 1883-84.
6,366	4,434	2,000	...	48	G.O., No. 2121 W., of 21st August 1881. Item No. 28, Class A Works. Budget of 1883-84.
6,487	8,113	1,500	...	49	G.O., No. 2848 W., of 20th October 1882. Item No. 29, Class A Works. Budget of 1883-84.
...	5,000	10,000	...	50	G.O., No. 2266 W., of 14th August 1883.
			82,576		
...	1,000	2,170		51	G.O., No. 2679 W., of 24th September 1883.
			2,170		
285	6,000	12,315	...	52	G.O., No. 3503 W., of 6th December 1883.
...	...	4,520	...	53	Estimate awaited.
...	...	5,000	...	54	G.O., No. 2143 W., of 13th May 1878. Item No. 33, Class B Works. Budget of 1883-84.
...	10,400	24,600	...	55	G.O., No. 3246 W, of 14th November 1883.
18,275	58,221	80,000	...	56	G.O., No. 3059 W., of 20th November 1882. Item No. 41, Class A Works. Budget of 1883-84.
...	1,000	20,000	...	57	Estimate awaited. Item No. 34, Class B Works. Budget of 1883-84.
...	5,000	17,000	...	58	G.O., No. 3270 W., of 16th November 1883.
...	...	1,63,435	4,65,668		

GOVERNMENT

PART I—CLASS

DETAIL OF THE BUDGET ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	...
				PROVINCIAL ORDINARY—*cont.*	
				Civil Buildings—*cont.*	
				Original Works—cont.	
Provincial Services Provincial—*cont.* 16. Jails—*concld.*	Tinnevelly.	Palamcottah.	59	District Jail	2,08,000
	Do. ...	Sankaranainárkoil.	60	Adding subsidiary jail and out-houses to the taluk cutcherry.	3,900
17. Police.	Vizagapatam.	Jeypore ...	61	Bungalow with out-houses for the Assistant Superintendent of Police.	11,260
	Nellore ...	Ongole ...	62	Police hospital	5,589
	Bellary ...	Anantapur.	63	Residence for the Assistant Superintendent of Police.	13,688
	Nílgiri ...	Deválah ...	64	First-class police station-house	...
	Do. ...	Do. ...	65	Fifteen police huts	...
	Do. ...	Mypadi ...	66	Five police huts	2,930
	Do. ...	Cherambadi.	67	Seven police huts	...
	Do. ...	Nellacotta...	68	Five police huts	...
	Do. ...	Gúdalúr ...	69	Fourteen police huts	...
	Tanjore ...	Kumbakónam.	70	First-class police station-house	3,200
			71	*Grant for Police Works costing above Rs. 1,000 and below Rs. 2,500 each, as detailed below.*	...
	Nílgiri ...	Cherambadi.	72	Third-class police station-house ...	...
	Do. ...	Nadgany ...	73	Third-class police station-house ...	...
	Do. ...	Nellacotta...	74	Third-class police station-house ...	...
				Carried forward ...	

OF MADRAS.

A WORKS—cont.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1884-85—*cont.*

Outlay.		Grant, 1884-85.		Item No.	Remarks and References.
Actual to end of 1882-83.	Probable during 1883-84.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
...	...	1,63,435	4,65,668		
1,25,337	2,105	32,000	...	59	G.O., No. 1123 W., of 3rd May 1882. Item No. 42, Class A Works. Budget of 1883-84.
...	...	3,900	...	60	G.O., 1907 W., of 19th July 1879. Item No. 35, Class B Works. Budget of 1883-84.
			1,99,335		
430	4,000	6,330	...	61	G.O., No. 1260 W., of 17th May 1882 and No. 1442 W., of 18th May 1883. Item No. 46, Class A Works. Budget of 1883-84.
...	...	2,500	...	62	G.O., No. 2981 W., of 20th October 1883.
...	350	5,688	...	63	G.O., No. 2859 W., of 11th October 1883.
...	...	5,000	...	64	Estimate awaited.
...	...	9,000	...	65	Do.
...	...	2,930	...	66	G.O., No. 751 W., of 8th March 1883.
...	...	4,200	...	67	Estimate awaited.
...	...	3,000	...	68	Do.
...	...	8,400	...	69	Do.
...	2,351	849	...	70	G.O., No. 1589 W., of 6th June 1882.
...	...	18,136		71	
			66,033		
...	...	...	...	72	Estimate awaited.
...	...	...	...	73	Do.
...	...	...	...	74	Do.
...	...	...	7,31,036		

GOVERNMENT

PART I—CLASS

DETAIL OF THE BUDGET ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	...
				PROVINCIAL ORDINARY—*cont.*	
				Civil Buildings—*cont.*	
				Original Works—cont.	
				Grant for Police Works costing above Rs. 1,000 and below Rs. 2,500 each—cont.	
Provincial Services Provincial—*cont.* 17. Police—*concld.*	Nílgiris ...	Nadgany ...	75	Three police huts	...
	South Arcot.	Mangalam.	76	Third-class police station-house ...	1,240
	Tanjore ...	Oratnad ...	77	Do. do. ...	1,690
	Vizagapatam.	Kurapam ...	78	Second-class police station-house ...	1,520
	Do. ...	Kumaradu..	79	Do. do. ...	1,520
	Vizagapatam.	Jagannadha-rajapuram.	80	Do. do. ...	1,520
	Ganjam ...	Chicacole ...	81	Seven Police huts	1,176
	North Arcot.	Maderpauk.	82	Do. do.	1,520
	South Arcot.	Tirukoilúr...	83	Hospital ward and latrine for the police force at	2,120
	Tanjore ...	Kornad ...	84	Police station-house	2,040
18. Educational ...	Ganjam ...	Teckally Raghunada-pore.	85	Constructing school house	3,530
	North Arcot.	Chittoor ...	86	Do.	41,150
	Negapatam.	Tiruvalúr ...	87	Anglo-Vernacular school house ...	9,500
19. Medical ...	Vizagapatam.	Waltair ...	88	Alterations to buildings in the Lunatic Asylum.	4,955
	Gódávari Eastern.	Berhampore.	89	Constructing a dispensary	3,696
	Presidency.	Madras ...	90	Improving Apothecary's quarters at the Leper Hospital.	4,980
	Do. ...	Do. ...	91	New Opthalmic Hospital	97,663
20. Miscellaneous ...	Do. ...	Do. ..	92	Alterations and Improvements to the Public Works Office at Chepauk.	97,044
	Eastern Kistna.	Bezváda ...	93	Residence and office for the Superintending Engineer, Second Circle.	26,775
				Carried over ...	...

OF MADRAS.

A WORKS—*cont.*

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1884-85—*cont.*

Outlay.		Grant, 1884-85		Item No.	Remarks and References.
Actual to end of 1882-83.	Probable during 1883-84.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
...	...	...	7,31,036		
...	...	...	...	75	Estimate awaited.
...	841	...	...	76	G.O., No. 2918 W., of 16th October 1883.
...	...	...	...	77	G.O., No. 2106 W., of 1st August 1883.
...	...	...	...	78	G.O., No. 2339 W., of 20th August 1883.
...	...	...	...	79	G.O., No. 2339 W., of 20th August 1883.
...	...	...	...	80	G.O., No. 2339 W., of 20th August 1883.
...	554	...	...	81	G.O., No. 1612 W., of 28th June 1881.
...	575	...	...	82	G.O., No. 1812 W., of 22nd July 1881.
...	1,000	...	...	83	G.O., No. 19 W., of 1st January 1881.
...	1,040	...	...	84	G.O., No. 1449 W., of 19th May 1883.
43	...	3,487	...	85	G.O., No. 1436 W., of 18th June 1880.
7,049	16,750	14,150	...	86	G.O., No. 2019 W., of 8th August 1882.
...	4,500	5,000	...	87	G.O., No. 405 W., of 6th January 1883.
			22,637		
...	3,096	1,859	...	88	G.O., No. 3,621 W., of 18th December 1883.
...	...	3,696	...	98	G.O., No. 4514 W., of 26th November 1878. Item No. 40, Class B Works. Budget of 1883-84.
...	3,330	1,650	...	90	G.O., No. 3,416 W., of 29th November 1883.
...	...	20,000	...	91	G.O., No. 693 W., of 14th March 1884.
			27,205		
20,161	51,700	25,000	...	92	G.O., Nos. 49 W., and 50 W., of the 10th January 1884. Item No. 62, Class A Works. Budget of 1883-84.
...	845	15,000	...	93	G.O., No. 3185 W., of 14th December 1882, and No. 2347 W., of 20th April 1883.
...	...	40,000	7,80,878		

DETAIL OF THE BUDGET ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	...
				PROVINCIAL ORDINARY—*cont.*	
				Civil Buildings—*cont.*	
				Original Works—cont.	
Provincial Services Provincial—*cont.* 20. Miscellaneous—*cont.*	Nílgiri ...	Ootacamund.	94	Barracks and Hospital for Queen's Own Sappers and Miners employed at.	27,320
	Negapatam.	Negapatam.	95	Additions and improvements to the divisional office.	6,500
	Madura ...	Madura ...	96	Preservation of Tirumal Naick's Palace and adaptation for public offices.	1,64,723
	Eastern Godávari.	Cocanada ...	97	Registrar's office	4,700
	North Arcot.	Chittoor ...	98	Do.	4,210
	Western Godávari.	Pentapad ...	99	Sub-registrar's office	2,710
	Do. ...	Narsápur ...	100	Do.	...
	Central Godávari.	Razole ...	101	Do.	2,750
	Western Kistna.	Pennur ...	102	Do.	2,740
	Do. ...	Narasaraopet.	103	Do.	2,650
	Do. ...	Tenali ...	104	Do.	2,520
	Do. ...	Répalle ...	105	Do.	2,580
	Nílgiri ...	Gúdalúr ...	106	Do.	4,833
	Coimbatore...	Kollegal ...	107	Do.	2,630
	Do. ...	Pyole ...	108	Do.	2,520
	Madura ...	Melár ...	109	Do.	2,830
				Carried over ...	...

OF MADRAS.

A WORKS—cont.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1884-85—cont.

Outlay.		Grant, 1884-85.		Item No.	Remarks and References.
Actual to end of 1882-83.	Probable during 1883-84.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
...	...	40,000	7,80,878		
9,103	14,800	5,600	...	94	G.O., No. 716 W., of 6th March 1883, No. 2786 W., of 5th October 1883.
...	2,000	4,500	...	95	G.O., No. 3194 W., of 12th November 1883.
2,01,962	30,000	17,498	...	96	Item No. 51, Class A Works. Budget of 1883-84.
...	...	4,700	...	97	G.O., No. 352 W., of 1st February 1883.
...	2,000	2,210	...	98	G.O., No. 2423 W., of 30th August 1883.
...	200	1,710	...	99	G.O., No. 556 W., of 20th February 1883.
...	...	2,650	...	100	Estimate awaited.
...	...	2,750	...	101	G.O., No. 2989 W., of 22nd October 1883.
...	...	2,740	...	102	G.O., No. 509 W., of 15th February 1883.
...	...	2,650	...	103	Do. do.
...	...	2,520	...	104	G.O., No. 554 W., of 19th February 1883.
...	...	2,580	...	105	Do. do.
...	...	4,833	...	106	G.O., No. 2292 W., of 6th September 1882. Item No. 58, Class A Works. Budget of 1883-84.
...	...	2,630	...	107	G.O., No. 1790 W., of 14th July 1882. Item No. 56, Class A Works. Budget of 1883-84.
...	...	2,520	...	108	Estimate awaited. Item No. 55, Class A Works. Budget of 1883-84.
...	...	2,830	...	109	G.O., No. 978 W., of 31st March 1883.
...	...	1,04,921	7,80,878		

DETAIL OF THE BUDGET ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	...
				PROVINCIAL ORDINARY—*cont.*	
				Civil Buildings—*cont.*	
				Original Works—cont.	
Provincial Services Provincial—*cont.* 20. Miscellaneous—*cont.*			110	Minor works as detailed below ...	...
	Kurnool ..	Chagulmarry	111	Sub-registrar's office	2,093
	Coimbatore.	Karúr ...	112	Do.	2,120
	Do. ...	Perandorai.	113	Do.	2,310
	Do. ...	Konghiem.	114	Do.	2,130
	Do. ...	Bhaváni ...	115	Do.	2,040
	Do. ...	Mannárghat.	116	Do.	2,450
	North Arcot.	Puttúr ...	117	Do.	2,240
	South Arcot.	Vriddhá-chalam.	118	Do.	2,060
	Vizagapatam.	Sálúr ...	119	Do.	1,880
	Godávari Western.	Tanuku ...	120	Do.	2,415
	South Arcot.	Ulundurpet.	121	Do.	2,175
	Eastern Godávari.	Alamúr ...	122	Do.	2,450
	Ganjam ...	Narsanna-pet.	123	Do.	1,650
	Vizagapatam.	Ellaman-chilly.	124	Do.	1,680
	Do. ...	Narsapatnam	125	Do.	1,690
	Madura ...	Tirushúli ...	126	Do.	2,125
	Do. ...	Dindigul ...	127	Do.	2,125
	Do. ...	Ootamapoli-um.	128	Do.	2,095
	Tinnevelly.	Nángunéri.	129	Do.	1,960
	Do. ...	Tuticorin ...	130	Do.	2,290
				Carried over ...	...

OF MADRAS.

A WORKS—cont.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1884-85—*cont.*

Outlay.		Grant, 1884-85.		Item No.	Remarks and References.
Actual to end of 1882-83.	Probable during 1883-84.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
....	...	1,04,921	7,80,878		
...	...	82,835		110	
			1,87,756		
...	...	...	...	111	G.O., No. 1498 W., of 15th June 1882.
...	...	...	...	112	G.O., No. 1790 W., of 14th July 1882.
...	...	...	...	113	G.O., No. 64 W., of 9th January 1883.
...	...	...	...	114	G.O., No. 64 W., of 9th January 1883.
...	...	...	...	115	G.O., No. 1790 W., of 14th July 1882.
...	...	...	...	116	G.O., No. 438 W., of 9th February 1883.
...	1,000	...	...	117	G.O., No. 2513 W., of 7th September 1883.
...	...	...	...	118	G.O., No. 865 W., of 16th March 1883.
...	...	...	...	119	G.O., No. 2338 W., of 20th August 1883.
...	...	...	...	120	G.O., No. 1202 W., of 21st April 1883.
...	...	...	...	121	G.O., No. 1295 W., of 2nd May 1883.
...	...	...	...	122	G.O., No. 352 W., of 1st February 1883.
...	...	...	...	123	G.O., No. 2305 W., of 9th September 1882.
...	...	...	...	124	G.O., No. 248 W., of 22nd January 1883.
...	...	...	...	125	G.O., No. 382 W., of 3rd February 1883.
...	...	...	...	126	G.O., No. 280 W., of 25th January 1883.
...	...	...	...	127	G.O., No. 726 W., of 6th March 1883.
...	...	...	...	128	G.O., No. 1867 W., of 5th March 1883.
...	...	...	...	129	G.O., No. 750 W., of 8th March 1883.
...	...	...	...	130	G.O., No. 3189 W., of 12th November 1883.
...	...	...	9,68,634		

DETAIL OF THE BUDGET ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	...
				PROVINCIAL ORDINARY—*cont.*	
				Civil Buildings—*cont.*	
Provincial Services Provincial—*cont.*				*Original Works*—cont.	
21. Miscellaneous—*cont.*	Tinnevelly.	Sátúr ...	131	Sub-registrar's offices	2,070
	Do. ...	Virudupati.	132	Do.	2,215
	Do. ...	Sankaranainárkoil.	133	Do.	1,950
	Do. ...	Otapidáram.	134	Do.	2,090
	Do. ...	Tenkási ...	135	Do.	1,960
	Vizagapatam.	Pálkonda ...	136	Do.	1,820
	Chingleput.	Madurántakam.	137	Do.	1,920
	Salem ...	Námakal ...	138	Do.	1,870
	Do. ...	Razipur ...	139	Do.	2,037
	Tanjore ...	Tiruvíar ...	140	Do.	2,235
	Do. ...	Máyavaram.	141	Do.	2,060
	Do. ...	Velangaman.	142	Do.	2,140
	Do. ...	Vallam ...	143	Do.	2,240
	Negapatam.	Mannárgudi.	144	Do.	2,000
	Madura ...	Tirupatur ...	145	Do.	2,425
	Do. ...	Ramnad ...	146	Do.	2,225
	Coimbatore.	Udamalpet.	147	Adding a room for sub-registrar's office to the taluk cutcherry.	1,800
	Do. ...	Dhárápuram.	148	Do. do.	1,800
	Godávari Eastern.	Peddápuram.	149	Do. do.	1,940
	Do. ...	Rajahmundry.	150	Do. do.	1,760
				Carried over ...	...

OF MADRAS.

A WORKS—cont.
PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1884-85—*cont.*

Outlay.		Grant, 1884-85.		Item No.	Remarks and References.
Actual to end of 1882-83.	Probable during 1883-84.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
...	...	...	9,68,634		
...	...	...	...	131	G.O., No. 753 W., of 8th March 1883.
...	...	...	...	132	G.O., No. 3189 W., of 12th November 1883.
...	...	...	...	133	G.O., No. 911 W., of 21st March 1883.
...	...	...	...	134	G.O., No. 1400 W., of 12th May 1883.
...	...	...	...	135	G.O., No. 1594 W., of 6th June 1883.
...	...	...	...	136	G.O., No. 3316 W., of 21st November 1883.
...	...	...	...	137	G.O., No. 3147 W., of 30th November 1882.
...	...	...	...	138	G.O., No. 1591 W., of 6th June 1883.
...	...	...	...	139	G.O., No. 1657 W., of 13th June 1883.
...	...	...	...	140	G.O., No. 1004 W., of 2nd April 1883.
...	...	...	...	141	G.O., No. 1289 W., of 2nd May 1883.
...	...	...	...	142	G.O., No. 2103 W., of 1st August 1883.
...	180	...	...	143	G.O., No. 2620, W., of 17th September 1883.
...	...	...	...	144	G.O., No. 2290 W., of 6th September 1882.
...	...	...	...	145	G.O., No. 3157 W., of 1st December 1882.
...	...	...	...	146	G.O., No. 3444 W., of 30th December 1882.
...	...	...	...	147	G.O., No. 1837 W., of 2nd July 1883.
...	...	...	...	148	G.O., No. 1837 W., of 2nd July 1883.
...	...	...	...	149	G.O., No. 2065 W, of 30th July 1883.
...	...	...	...	150	G.O., No. 2759 W., of 2nd October 1883.
...	...	...	9,68,634		

DETAIL OF THE BUDGET ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	...
				PROVINCIAL ORDINARY—*concld.*	
				Civil Buildings—*concld.*	
				Original Works—concld.	
Provincial Services Provincial—*concld.* 21. Miscellaneous—*concld.*	Chingleput.	Tiruvallúr...	151	Adding a room for sub-registrar's office to the taluk cutcherry.	1,550
			152	Grant for Minor works and Reserve with Government.	...
				Total Civil Buildings ...	...
				Communications.	
Metalled and Bridged Roads.	Madura ...	...	153	Completion of the road from Cumbum to the foot of the Gúdalúr-Pirmed ghât.	73,748
	Do. ...	Madura ...	154	Chattram at the head of the Gúdalúr-Pirmed ghât.	4,000
	Nílgiri ...	...	155	Road from Ootacamund to Gúdalúr ...	...
	Do. ...	...	156	Kotagiri-Mettupálaiyam road	...
				Total Communications ...	...
				Miscellaneous Public Improvements.	
Sewage including Drainage.	Nílgiri ...	Nílgiri ...	157	Bazaar drainage scheme	1,34,000
Paving and streets...	Presidency.	Madras ...	158	Alteration of the roads and replanting Chepâk grounds.	17,987
	Do. ...	Do. ...	159	Improving the south beach promenade.	17,256
				Total Miscellaneous Public Improvements ...	...
				Total, Original Works ...	...

·OF MADRAS.

A WORKS—concld.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1884-85—*concld.*

Outlay.		Grant, 1884-85.		Item No.	Remarks and References.
Actual to end of 1882-83.	Probable during 1883-84.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.		
...	...	...	9,68,634		
...	...	...	...	151	G.O., No. 1963 W., of 13th July 1883.
...	...	...	2,13,010	152	
...	...	...	11,81,644		
6,769	20,000	20,000	...	153	G.O., No. 1005 W., of 2nd April 1883. Item No. 65, Class A Works, Budget of 1883-84.
...	...	4,000	...	154	G.O., No. 1410, of 12th April 1877. Item No. 47, Class B Works, Budget of 1883-84.
...	...	50,000	...	155	
...	...	10,000	...	156	
...	...	...	84,000		
39,773	40,000	14,200	14,200	157	G.O., No. 314 W., of 29th January 1883, and G.O., No. 682 W., of 13th March 1884. Item No. 67, Class A Works, Budget of 1883-84.
...	8,000	25,000		158	G.O., No. 2449 W., of 1st September 1883, and G.O., No. 3500 W., of 6th December 1883; No. 604 W., of 5th March 1884; No. 774 W., of 22nd March 1884 and No. 784 W., of 24th March 1884; and No. 950 W., of 7th April 1884. Item No. 69, Class A Works, Budget of 1883-84.
24,023	23,288	8,332	33,332	159	G.Os., No. 1700 W., of 6th July 1882; No. 334 W., of 30th January 1883; No. 2026 W., of 24th July 1883; and No. 90 W., of 12th January 1884. Item No. 68, Class A Works, Budget of 1883-84.
...	...	...	47,532		
...	...	...	13,13,176		

GOVERNMENT

PART I—CLASS

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Work.
				PROVINCIAL ORDINARY.
				Civil Buildings.
				Original Works.
Provincial Services Imperial— 12. Administration.	Vizagapatam.	Sálúr	1	Second-class taluk cutcherry ... ...
	Ganjam ...	Chatrapur ...	2	Purchase and improving the building adjoining the Onslow court.
	Nellore ...	Nellore ...	3	Collector's cutcherry ... ...
	Bellary ...	Bellary ...	4	Improvements and extensions to the Collector's cutcherry.
	Ganjam ...	Gopálpur ...	5	Converting the post office at Gopálpur into godowns for bonded spirits and adding an upper story for an office.
	Presidency ..	Mount Road.	6	Government House, permanent veranda to Banqueting Hall.
	Do. ...	Fort St. George.	7	Improving strong-room of the Paper Currency office.
	Trichinopoly.	Trichinopoly.	8	Forest office to be attached to the Collector's cutcherry.
	Coimbatore ...	Ponáni ...	9	Public offices at ... .
	Do. ...	Coondapoor ...	10	Residence for the Head Assistant Collector ...
	Western Godávari.	Narsapúr ...	11	Taluk cutcherry ... ...
	Do. ...	Badagara ...	12	Do. ... ...
	Coimbatore ...	Perintalmanna.	13	Do. ... ...
	Eastern Kistna.	Avanigada ...	14	Deputy tahsildar's cutcherry ... ...
14. Law and Justice.	Coimbatore ...	Malpi ...	15	Sea Custom-house ... ...
	Do. ...	Tanúr ...	16	Do. ... ...
	Tanjore ...	Mannárgudi ...	17	Improvements to the taluk cutcherry ... ...
	Eastern Godávari.	Túni	18	Sub-magistrate's cutcherry ... ...
	Do. ...	Rahitapuram.	19	Do. do. ... ...
	North Arcot ...	Arkónam ...	20	Sub-magistrate's cutcherry and sub-jail ... ...
	Coimbatore ...	Karúr ...	21	District munsif's court ... ...
15. Ecclesiastical.	Nílgiri ...	Wellington ...	22	Constructing church ... ...
Provincial— 16. Jails.	Kurnool ...	Kurnool ...	23	District jail ... ...
17. Police ...	Vizagapatam.	Vizagapatam.	24	Improvements to the office building of the Superintendent of Police.
	Eastern Godávari.	Rajahmundry.	25	Police powder magazine ... ...
	Presidency ...	Madras ...	26	Marine police office ... ...
	Coimbatore ...	Uppinangadi.	27	Second-class Police station ... ...
18. Educational.	Tanjore ...	Kumbakónam.	28	Addition of a laboratory and science lecture rooms.
	Presidency ...	Madras ...	29	New school-house for the Madrasa-i-azam ...
20 Miscellaneous.	Nílgiri ...	Ootacamund ...	30	Registrar's office ... ...
	Coimbatore ...	Putúr ...	31	Sub-registrar's office ... ...
	Godávari, Western.	Kunnavaram.	32	Do. ... ...
				Carried over ...

OF MADRAS.

B WORKS.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1884-85.

Amount of Estimate.	Outlay.		Amount applied for, 1884-85.		Item No.	Remarks and References.
	Actual to end of 1882-83.	Probable during 1883-84.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	8,000		1	Estimate awaited.
...	...	...	7,000		2	Do.
...	...	...	...		3	Do.
...	...	...	20,000		4	Do.
4,700	...	...	4,700		5	G.O., No. 3233 W., of 14th November 1883.
...	...	...	12,000		6	Estimate awaited. Item No. 9, Class B Works, Budget of 1883-84.
12,500	...	...	12,500		7	G.O., No. 240 W., of 20th January 1883.
...	...	...	2,000		8	Estimate awaited.
...	...	...	...		9	Do.
...	...	...	...		10	Do.
22,900	...	...	...		11	G.O., No. 3563, of 20th December 1875. Item No. 10, Class B Works, Budget of 1883-84.
...	...	...	...		12	Estimate awaited.
...	...	...	...		13	Do.
9,420	...	...	...		14	G.O., No. 193, of 15th April 1875. Item No. 13, Class B Works, Budget of 1883-84.
				66,200		
6,560	...	...	...		15	G.O., No. 109 W., of 14th January 1884.
2,960	...	...	...		16	G.O., No. 386 W., of 13th February 1884.
3,890	...	...	...		17	G.O., No. 314 W., of 6th February 1884.
7,500	...	...	...		18	G.O., No. 1214 W., of 8th May 1877. Item No. 28, Class B Works, Budget of 1883-84.
7,400	...	...	...		19	G.O., No. 1311, of 8th May 1875. Item No. 30, Class B Works, Budget of 1883-84.
...	...	...	...		20	Estimate awaited.
...	...	...	...		21	Do.
...	...	...	22,000		22	Do.
				22,000		
...	...	...	...		23	Estimate awaited. Item No. 43, Class A Works, Budget of 1883-84.
...	...	...	3,670		24	Estimate awaited.
...	...	...	2,600		25	Do.
...	...	...	3,500		26	Do.
2,775	...	...	...		27	G.O., No. 18 W., of 7th January 1884.
				9,770		
...	...	...	10,000		28	Do.
...	...	...	7,000		29	Do.
				17,000		
...	...	...	8,800		30	Do.
3,120	...	...	3,120		31	G.O., No. 3330 W., of 22nd November 1883.
2,540	...	...	...		32	G.O., No. 1202 W., of 21st April 1883.
...	...	...	11,920	1,14,970		

GOVERNMENT

PART I—CLASS

DETAIL OF THE BUDGET-ESTIMATE FOR ORIGINAL WORKS UNDER

Head of Classification.	Executive Division.	Locality.	Item No.	Project and Work.
				Brought forward ...
				PROVINCIAL ORDINARY.
Provincial Services—concld.				Civil Buildings—concld.
				Original Works—concld.
Provincial-*concld.* 20. Miscellaneous—*concld.*	Coimbatore ...	Chevayur ...	33	Sub-registrar's office ... ...
	Do.	Taliparamba ...	34	Do. ... ...
	Do.	Kullaparamba.	35	Do. ... ...
	Do.	Sirurangudi ...	36	Do. ... ...
	Bellary ...	Humphy ...	37	Do. ... ...
	Coimbatore ...	Udipi ...	38	Do. ... ...
	Tinnevelly ...	Srívilliputur.	39	Do. ... ...
	Salem ...	Hosúr ...	40	Do. ... ...
	Western Godávari.	Ellore ...	41	Do. ... ...
	Bellary ...	Anantapur ...	42	Bungalow for the Sub-divisional officer ... ...
				Registration.
				Minor Works as detailed below.
	Kistna, Eastern.	Gunnavaram...	43	Sub-registrar's office ... ...
	North Arcot...	Tirupati ...	44	Do. ... ...
	Do.	Tirutani ...	45	Do. ... ...
	Nílgiri ...	Vayitri ...	46	Quarters for sub-registrars and their clerks ...
	Do. ...	Gúdalúr ...	47	Do. do. do. ...
				Total, Civil Buildings...

OF MADRAS.

B WORKS—concld.

PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1884-85—*concld.*

Amount of Estimate.	Outlay.		Amount applied for, 1884-85.		Item No.	Remarks and References.
	Actual to end of 1882-83.	Probable during 1883-84.	Amount.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.		
...	...	...	11,920	1,14,970		
3,020	...	...	3,020		33	G.O., No. 3331 W., of 22nd November 1883.
2,540	...	...	2,540		34	Do. do. do.
3,060	...	...	3,060		35	Do. do. do.
2,650	...	...	2,650		36	Do. do. do.
2,660	...	...	...		37	G.O., No. 21 W., of 8th January 1884.
3,370	...	...	...		38	G.O., No. 856 W., of 28th March 1884.
2,705	...	...	2,705		39	G.O., No. 3424 W., of 30th November 1883.
2,970	...	...	...		40	G.O., No. 945 W., of 7th April 1884.
2,540	...	...	2,540		41	G.O., No. 3456 W., of 3rd December 1883.
3,750	...	...	...		42	G.O., No. 355 W., of 9th February 1884.
2,170	...	...	2,170		43	G.O., No. 2514 W., of 7th September 1883.
2,320	...	...	2,320		44	G.O., No. 3047 W., of 26th October 1883.
2,230	...	...	2,230		45	G.O., No. 3046 W., of 26th October 1883.
2,200	...	...	...		46	G.O., No. 2316 W., of 17th August 1883.
2,200	...	...	...	35,155	47	Do. do. do.
...	...	...	...	1,50,125		

GOVERNMENT OF MADRAS.

PART II.

DETAIL OF THE BUDGET-ESTIMATE OF REPAIRS TO PUBLIC WORKS UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1884-85.

Head of Classification.	Division.	Locality.	Items.	Estimate, 1884-85. Amount.	Estimate, 1884-85. Total.	Estimate, 1883-84. Amount.	Estimate, 1883-84. Total.
			CIVIL BUILDINGS.	Rs.	Rs.	Rs.	Rs.
	Ganjam ...	...	Annual Repairs	9,000			
	Vizagapatam.	...	Do.	1,000			
	Godávari, Eastern.	...	Do.	500			
	Do. Central.	...	Do.	500			
	Do. Western.	...	Do.	800			
	Kistna, Eastern	...	Do.	2,300			
	Do. Western.	...	Do.	100			
	Nellore ..	...	Do.	5,000			
	Bellary ...	...	Do.	2,000			
	Cuddapah ...	...	Do.	1,500			
	Kurnool ...	...	Do.	1,000			
	Nílgiri ...	...	Do.	8,000		1,20,000	1,20,000
	Coimbatore ...	...	Do.	3,500			
	Salem ..	...	Do.	5,000			
	North Arcot...	...	Do.	2,000			
	South do. ...	...	Do.	1,500			
	Chingleput ...	...	Do.	8,000			
	Presidency ...	...	Do.	65,000			
	Trichinopoly.	...	Do.	2,000			
	Tanjore ...	...	Do.	*19,500			
	Negapatam ..	...	Do.	200			
	Tinnevelly ..	...	Do.	500			
	Madura ...	...	Do.	500			
	Architect ...	...	Do.	3,000			
			TOTAL, CIVIL BUILDINGS.		1,42,400		
			COMMUNICATIONS.				
	Ganjam ...	...	Annual Repairs	2,100			
	Vizagapatam.	...	Do.	12,500			
	Godávari, Eastern.	...	Do.	15,000		37,000	37,000
	Presidency ...	...	Do.	18,400			
			TOTAL, COMMUNICATIONS.		48,000		
			MISCELLANEOUS PUBLIC IMPROVEMENTS.				
	Kistna, Eastern.	...	Annual Repairs ..	600			
	Nílgiri ...	...	Do.	1,000		3,000	3,000
	Presidency ...	...	Do.	3,000			
			TOTAL, MISCELLANEOUS PUBLIC IMPROVEMENTS.		4,600		
			GRAND TOTAL ...	...	1,95,000	...	1,60,000

* Includes Rs. 15,000 for Special Repairs and 4,000 for Annual Repairs to Tanjore Palace.

GOVERNMENT OF MADRAS.

PART II.

DETAIL OF THE BUDGET-ESTIMATE OF REPAIRS TO PUBLIC WORKS UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1884-85.

Head of Classification.	Division.	Locality.	Items.	Estimate, 1884-85.		Estimate, 1883-84.	
				Amount.	Total.	Amount.	Total.
			CIVIL BUILDINGS.	Rs.	Rs.	Rs.	Rs.
	Ganjam ...	...	Annual Repairs	9,000			
	Vizagapatam.	...	Do.	1,000			
	Godávari, Eastern.	...	Do.	500			
	Do. Central.	...	Do.	500			
	Do. Western.	...	Do.	800			
	Kistna, Eastern	...	Do.	1,800			
	Do. Western.	...	Do.	100			
	Nellore ..	...	Do.	5,000			
	Bellary ...	...	Do.	2,000			
	Cuddapah ...	...	Do.	1,500			
	Kurnool ...	...	Do.	1,000			
	Nilgiri ...	...	Do.	8,000		1,20,000	1,20,000
	Coimbatore ...	...	Do.	3,500			
	Salem ..	...	Do.	6,000			
	North Arcot...	...	Do.	2,000			
	South do. ...	...	Do.	1,500			
	Chingleput ...	...	Do.	8,000			
	Presidency ...	...	Do.	65,000			
	Trichinopoly.	...	Do.	2,000			
	Tanjore ...	...	Do.	*19,500			
	Negapatam ..	...	Do.	800			
	Tinnevelly ..	...	Do.	500			
	Madura ...	...	Do.	500			
	Architect ...	...	Do.	8,000			
			TOTAL, CIVIL BUILDINGS.		1,42,400		
			COMMUNICATIONS.				
	Ganjam ...	...	Annual Repairs	2,100			
	Vizagapatam.	...	Do.	12,500		37,000	37,000
	Godávari, Eastern.	...	Do.	15,000			
	Presidency ...	...	Do.	18,400			
			TOTAL, COMMUNICATIONS.		48,000		
			MISCELLANEOUS PUBLIC IMPROVEMENTS.				
	Kistna, Eastern.	...	Annual Repairs ..	600			
	Nilgiri ...	...	Do.	1,000		3,000	3,000
	Presidency ...	...	Do.	3,000			
			TOTAL, MISCELLANEOUS PUBLIC IMPROVEMENTS.		4,600		
			GRAND TOTAL ...	...	1,95,000	...	1,60,000

* Includes Rs. 17,000 for Special Repairs and 4,500 for Annual Repairs to Tanjore Palace.

GOVERNMENT OF MADRAS.

PART II.

DETAIL OF THE BUDGET-ESTIMATE OF REPAIRS TO PUBLIC WORKS UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1884-85.

Head of Classification.	Division.	Locality.	Items.	Estimate, 1884-85. Amount.	Estimate, 1884-85. Total.	Estimate, 1883-84. Amount.	Estimate, 1883-84. Total.
			Civil Buildings.	Rs.	Rs.	Rs.	Rs.
	Ganjam ...	...	Annual Repairs	9,000		1,20,000	1,20,000
	Vizagapatam.	...	Do.	1,000			
	Godávari, Eastern.	...	Do.	500			
	Do. Central.	...	Do.	500			
	Do. Western.	...	Do.	800			
	Kistna, Eastern	...	Do.	2,300			
	Do. Western.	...	Do.	100			
	Nellore ..	...	Do.	5,000			
	Bellary ...	...	Do.	2,000			
	Cuddapah ...	...	Do.	1,500			
	Kurnool ...	...	Do.	1,000			
	Nílgiri ...	...	Do.	8,000			
	Coimbatore ...	...	Do.	3,500			
	Salem ..	...	Do.	5,000			
	North Arcot...	...	Do.	2,000			
	South do. ...	...	Do.	1,500			
	Chingleput ...	...	Do.	8,000			
	Presidency ...	...	Do.	65,000			
	Trichinopoly.	...	Do.	2,000			
	Tanjore ...	...	Do.	*19,500			
	Negapatam ..	...	Do.	200			
	Tinnevelly ..	...	Do.	500			
	Madura ...	...	Do.	500			
	Architect ...	...	Do.	3,000			
			Total, Civil Buildings.		1,42,400		
			Communications.				
	Ganjam ...	...	Annual Repairs	2,100		37,000	37,000
	Vizagapatam.	...	Do.	12,500			
	Godávari, Eastern.	...	Do.	15,000			
	Presidency ...	...	Do.	18,400			
			Total, Communications.		48,000		
			Miscellaneous Public Improvements.				
	Kistna, Eastern.	...	Annual Repairs ..	600		3,000	3,000
	Nílgiri ...	...	Do.	1,000			
	Presidency ...	...	Do.	3,000			
			Total, Miscellaneous Public Improvements.		4,600		
			Grand Total ...	...	1,95,000	...	1,60,000

* Includes Rs. 15,000 for Special Repairs and 4,000 for Annual Repairs to Tanjore Palace.

GOVERNMENT OF MADRAS.

PART III.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT UNDER PROVINCIAL SERVICES IN THE MADRAS PRESIDENCY FOR 1884-85.

Number. 1883-84.	Number. 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Estimate for 1884-85. Per Annum.	Estimate for 1884-85. Total.	Estimate for 1883-84.	Remarks.
		EXECUTIVE BRANCH.	Rs.	Rs.	Rs.	Rs.	Rs.	
		CHIEF ENGINEERS.						
1	1	Chief Engineer, 1st Class, and Secretary to Government, General and Buildings and Roads Branches.	2,500					
		Net Military pay proper of a Lieut.-Colonel, R.E.	$243\frac{1}{2}$	2,743				
1	1	Chief Engineer, 2nd Class, and Joint Secretary to Government, Irrigation Branch.	2,000					
		Net Military pay proper of a Colonel, R.E.	$304\frac{3}{8}$	2,304				
2	2	Total, Chief Engineers ...	...	5,047	60,564	—	61,296	
		Superintending Engineers.						
3	2	Superintending Engineers, 1st Class.	1,600	3,200				
2	2	Superintending Engineers, 2nd Class.	1,350	2,700				
2	2	Superintending Engineers, 3rd Class.	1,100	2,200				
		Military pay and allowances.	...	1,740				
7	6	Total, Superintending Engineers.	...	9,840	1,18,080	—	1,37,700	
		Executive Engineers.						
10	9	Executive Engineers, 1st Grade.	950	8,550				
11	11	Executive Engineers, 2nd Grade.	800	8,800				
11	11	Executive Engineers, 3rd Grade.	650	7,150				
4	11	Executive Engineers, 4th Grade.	550	6,050				
		Military pay and allowances.	...	5,290				
		Allowances for a Superintendent of Works.	100	100				
36	42	Total, Executive Engineers.	...	35,940	4,31,280	—	3,99,408	
		Deduct on account of absentees.	...	...	−**36,325**			
					3,94,955			
45	50	Carried over ...	...	...	5,73,599	...	5,98,404	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1883-84.	Number. 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Estimate for 1884-85. Per Annum.	Estimate for 1884-85. Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
45	50	Brought forward ...	...	...	5,73,599	...	5,98,404	
		EXECUTIVE BRANCH —*cont.*						
		ENGINEER ESTABLISHMENT —*cont.*						
		Assistant Engineers.						
27	23	Assistant Engineers, 1st Grade.	450	10,350				
20	16	Assistant Engineers, 2nd and 3rd Grades.	350	5,600				
				15,950	1,91,400			
		Deduct for absentees, &c.	...	...	—**22,275**			
47	39	Total, Assistant Engineers.	...	...	1,69,125	...	2,37,000	
92	89	Total, Engineer Establishment.	...	...	...	7,42,724	8,35,404	
		Deduct— Moiety of the pay and allowances of General Superintendent, Public Works Stores and Workshops chargeable to Workshops (335 × 12)	...	...	...	—**4,020**	* —**54,714**	* Including the three officers of the Consulting Engineer's Department.
92	89	Net Total, Engineer's Establishment.	...	...	...	7,38,704	7,80,690	
		UPPER SUBORDINATE ESTABLISHMENT.						
		Sub-Engineers.						
9	9	Sub-Engineers, 1st Grade...	400	3,600				
9	9	Do. 2nd " ...	300	2,700				
17	17	Do. 3rd " ...	250	4,250				
		Military pay and allowances.	...	415				
35	35	Total, Sub-Engineers...	...	10,965	1,31,580	...	1,31,820	
35	35	Carried over ...	...	...	1,31,580	...	1,31,820	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1883-84.	Number 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Per Annum.	Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
35	35	Brought forward ...	...	...	1,31,580	...	1,31,820	
		EXECUTIVE BRANCH —*cont.*						
		UPPER SUBORDINATE ESTABLISHMENT—*cont.*						
		Supervisors.						
22	22	Supervisors, 1st Grade ...	200	4,400				
36	36	Do. 2nd „ ...	150	5,400				
		Military pay and allowances.	...	122				
58	58	Total, Supervisors ...	...	9,922	1,19,064	...	1,18,560	
		Overseers.						
28	28	Overseers, 1st Grade ...	100	2,800				
28	28	Do. 2nd „ ...	80	2,240				
36	36	Do. 3rd „ ...	60	2,160				
		Military pay and allowances.	...	391				
...	4	Pay and allowances of 4 Supernumerary Overseers.	60	240				
92	96	Total, Overseers ...	...	7,831	93,972	...	95,760	
		Apprentices.						
15	3	Apprentice Overseers, 1st Grade.	51	154				
		Additional remuneration for one Apprentice Instructor.	50	50				
15	3	Total, Apprentices ...	...	204	2,448	...	14,520	
		Sub-divisional allowance for 20 Upper Subordinates.	30	600	7,200	...	7,200	
200	192	Total, Upper Subordinate Establishment.	...	...	...	3,54,264	3,67,860	
		Deduct— The pay and allowances of a Sub-Engineer, 3rd Grade, two Supervisors, 2nd Grade (one of whom is a Sub-Conductor), chargeable to Public Works Workshops (250 + 180 + 200) = Rs. 630.	...	...	...	**−7,560**	**−7,920**	
200	192	Net Total, Upper Subordinate Establishment.	...	...	...	3,46,704	3,59,940	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1883-84.	Number. 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Estimate for 1884-85. Per Annum.	Estimate for 1884-85. Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		LOWER SUBORDINATE ESTABLISHMENT.						
8	8	Sub-Overseers, 1st Grade ...	60	480				
8	8	Do. 2nd „ ...	40	320				Provision made only for half-year.
8	8	Do. 3rd „ ...	30	240				
24	24	Total, Lower Subordinate Establishment.	...	1,040	...	...	...	
...	...	Do. for six months ...	...	...	...	6,240	6,240	
		PETTY ESTABLISHMENT.						
		Store Establishment.						
1	1	Storekeeper	100	100				
5	5	Do.	30	150				
8	8	Do.	25	200				
6	6	Do.	20	120				
7	7	Do.	15	105				
1	1	Store Writer	25	25				
4	4	Store Watchers	7	28				G.O., No. 123 W., dated 12th January 1883.
3	3	Do.	7	21				
35	35	Total, Store Establishment.	...	749	8,988	...	9,288	
		Medical Establishment.						
8	1	Hospital Assistant ...	60	60				
	3	Do. ...	55	165				
	2	Do. ...	35	70				
	2	Do. ...	25	50				
...	...	Charge allowances 2 at 25, 1 at 15, 3 at 10.	...	95				
6	6	Hospital servants 1 at 7, 2 at 6, 2 at 5, 1 at 4.	...	33				
14	14	Total, Medical Establishment ...	...	473	5,676	...	5,868	
		Telegraph Establishment.						
1	1	Signaller	30	30				
2	2	Do.	25	50				
4	4	Do.	20	80				
4	4	Do.	15	60				
11	11	Total, Telegraph Establishment.	...	220	2,640	...	2,640	
		Carried over ...	...	...	17,304	...	17,796	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1883-84.	Number. 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Estimate for 1884-85. Per Annum.	Estimate for 1884-85. Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	17,304	..	17,796	
		EXECUTIVE BRANCH —*cont.*						
		PETTY ESTABLISHMENT.						
		Maistries.						
1	1	Maistry	40	40	480			
24	24	Maistries, 1st Grade * ...	25	600				* Provision made only for half the year.
24	24	Do. 2nd " * ...	20	480				
24	24	Do. 3rd " * ...	15	360				
73	73	Total, Maistries for one month.	...	1,440				
		Total, for six months...	...	...	8,640			
		Total, Maistries...	...	...	9,120	...	9,120	
		Lascars, Sweepers, &c.						
500	500	Lascars †	6	3,000				† Includes provision for increased pay to lascars in Nilgiri division, and to watchers employed in that division.
5	5	Sweepers for Presidency Division	2 at 5, 3 at 3	19				
0	1	Keeper of the Chepauk Park.	35	35				
505	506	Total, Lascars, &c...	...	3,054	36,648	...	36,228	† Distributed as follows:— 6 Superintending Engineer's Offices at 4 Lascars each 24; 25 Divisional Offices at 3 Lascars each 75; Consulting Architect to Government .. 2; 56 Sub-divisional Offices at 3 Lascars each .. .. 168; 182 Detached Offices at 1 Lascar each .. 182; Public Works Stores 12; Buckingham Canal Division .. .. 5; Examiner's Office .. 3; Chief Engineer's Office .. .. 8; Extra .. .. 21; [total] 500
		IRRIGATION CONSERVANCY ESTABLISHMENT.						
		Godávari Delta System.						
		Water Regulation Establishment.						
1	1	Anicut Superintendent ...	120	120				
1	1	Do. Maistry	18	18				
1	1	Do. do.	15	15				
1	1	Do. do.	12	12				
3	3	Clerks	15	45				
1	1	Shroff	10	10				
5	5	Delta Superintendents ...	70	350				
10	10	Do. do. ...	55	550				
12	12	Do. do. ...	40	480				
5	5	Superintendents	8	40				
1	1	Peon	6	6				
3	3	Do.	5	15				
		Add—Difference of pay (increase) given to certain Delta Superintendents.	...	65				
44	44	Carried over ...	...	1,726	63,072	...	63,144	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1883-84.	Number. 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Estimate for 1884-85. Per Annum.	Estimate for 1884-85. Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	63,072	...	63,144	
		EXECUTIVE BRANCH—cont.						
		IRRIGATION CONSERVANCY ESTABLISHMENT—*cont.*						
		Godávari Delta System—cont.						
44	44	*Water Regulation Establishment*—cont.		1,726				
38	38	Lascars	6	228				
75	75	Do.	5	375				
157	157	Total, Water Regulation Establishment, Godávari Delta System.	...	2,329				
		Navigation Establishment.						
1	1	Boat Superintendent ..	118	118				
2	2	Lock Superintendents ...	15	30				
15	15	Do. do. ...	12	180				
19	19	Do. do. ...	10	190				
1	1	Do. do. ...	9	9				
12	12	Do. do. ...	8	96				
135	135	Lock Lascars	6	810				
72	72	Do.	5	360				
		1 Superintendent (increase of pay to Nandamur Weir Superintendent).	4	4				
257	257	Total, Navigation Establishment, Godávari Delta System.	...	1,797				
		Kistna Delta System.						
		Water Regulation Establishment.						
1	1	Anicut Superintendent ...	120	120				
1	1	Assistant Do. ..	40	40				
1	1	Clerk, 5th Class, 1st Grade.	17½	17½				
1	1	Do. do. 2nd „ ..	12½	12½				
3	3	Delta Superintendents ...	70	210				
3	5	Do. ...	55	275				
8	6	Do. ...	40	240				
18	18	Lascars	8	144				
18	18	Do.	7	126				
26	26	Do.	6	156				
				1,341				
80	80	Carried over ...	...	4,126	63,072	...	63,144	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1883-84.	Number 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Estimate for 1884-85. Per Annum.	Estimate for 1884-85. Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	4,126	63,072	...	63,144	
		EXECUTIVE BRANCH —*cont.*						
		IRRIGATION CONSERVANCY ESTABLISHMENT—*cont.*						
		Kistna Delta System—cont.						
80	80	*Water Regulation Establishment*—cont.		1,341				
27	27	Lascars	5	135				
1	1	Irrigation Clerk, 5th Class, 1st Grade.	17½	17½				
108	108	Total, Water Regulation Establishment, Kistna Delta System.	...	1,493½				
		Navigation Establishment.						
3	3	Lock Superintendents ...	15	45				
7	7	Do. ...	12	84				
10	11	Do. ...	10	110				
14	14	Lascars	8	112				
14	15	Do.	7	105				
21	22	Do.	6	132				
22	23	Do.	5	115				
2	2	Traffic Clerks	12	24				
1	1	Boat Clerk, 5th Class, 1st Grade.	17½	17½				
94	98	Total, Navigation Establishment, Kistna Delta System.	...	744½				
		Pennér Anicut System.						
		Water Regulation Establishment.						
1	1	Anicut Superintendent ...	60	60				
1	1	Delta do. ...	70	70				
1	1	Clerk	15	15				
1	1	Do.	10	10				
1	1	Lascar	7	7				
17	17	Do.	6	102				
4	4	Do.	5	20				
26	26	Total, Water Regulation Establishment, Pennér Anicut System.	...	284				
		Carried over ...	...	6,648	63,072	...	63,144	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1883-84.	Number 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Estimate for 1884-85. Per Annum.	Estimate for 1884-85. Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	6,648	63,072	...	63,144	
		EXECUTIVE BRANCH —*cont.*						
		IRRIGATION CONSERVANCY ESTABLISHMENT—*cont.*						
		Cauvery Delta System.						
		Water Regulation Establishment.						
1	1	Superintendent	50	50				
1	1	Do.	30	30				
1	1	Do.	25	25				
3	3	Do.	20	60				
9	9	Do.	15	135				
1	1	Do.	12	12				
3	3	Do.	10	30				
1	1	Do.	8	8				
8	8	Lascars	7	56				
31	31	Do.	6	186				
83	83	Do.	5	415				
31	31	Do.	4	124				
173	173	Total, Water Regulation Establishment, Cauvery Delta System.	...	1,131				
		Navigation Establishment.						
1	1	Lascar	5	5				
1	1	Do.	7	7				
2	2	Total, Navigation Establishment, Cauvery Delta System.	...	12				
		Srivaikuntham Anicut System.						
		Water Regulation Establishment.						
2	2	Maistries	30	60				
1	1	Superintendent	12	12				
21	21	Lascars	5	105				
24	24	Total, Water Regulation Establishment, Srívaikuntham Anicut System.	...	177				
		Chembrambakam Tank.						
		Water Regulation Establishment.						
1	1	Superintendent	12	12				
1	1	Do.	10½	10½				
			...	22½				
2	2	Carried over ...	...	7,968	63,072	...	63,144	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1883-84.	Number 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Per Annum.	Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ..	...	7,968	63,072	...	63,144	
		EXECUTIVE BRANCH —*cont.*						
		IRRIGATION CONSERVANCY ESTABLISHMENT —*cont.*						
		Chembrambakam Tank —cont.						
2	2	*Water Regulation Establishment*—cont.		22½				
2	2	Lascars	6	12				
5	5	Do.	5	25				
9	9	Total, Water Regulation Establishment, Chembrambakam Tank.	...	59½				
		Madras Water-Supply and Irrigation Project.						
1	1	Superintendent	25	25				
1	1	Do.	15	15				
4	4	Lascars	7	28				
2	2	Do.	6	12				
4	4	Do.	5	20				
12	12	Total, Madras Water-Supply and Irrigation Project.	...	100				
		Pálár Anicut System.						
		Water Regulation Establishment, Chingleput District.						
1	1	Maistry	20	20				
2	2	Lascars	6	12				
12	12	Do.	4	48				
		North Arcot District.						
1	1	Superintendent	25	25				
1	1	Do.	15	15				
3	3	Do.	12	36				
15	15	Lascars	4½	67½				
35	35	Total, Water Regulation Establishment, Pálár Anicut System.	...	223½				
		Carried over ...	...	8,351	63,072	...	63,144	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1883-84.	Number. 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Per Annum.	Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	8,351	63,072	...	63,144	
		EXECUTIVE BRANCH—*cont.*						
		IRRIGATION CONSERVANCY ESTABLISHMENT—*cont.*						
		Pelandorai Anicut System.						
		Water Regulation Establishment.						
1	1	Superintendent	30	30				
1	1	Lascar	8	8				
2	2	Do.	6	12				
7	7	Do.	5	35				
11	11	Total, Water Regulation Establishment, Pelandorai Anicut System.	...	85				
		IRRIGATION AND NAVIGATION WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT.						
		Water Regulation Establishment, Ganjam District.						
3	3	Lascars	7	21				
14	14	Do.	4	56				
1	1	Do.	3½	3½				
18	18	Total, Water Regulation Establishment, Ganjam District.	...	80½				
		Vizagapatam District.						
3	3	Superintendents	12	36				
13	13	Lascars	5	65				
16	16	Total, Water Regulation Establishment, Vizagapatam District.	...	101				
		Godávari District.						
1	1	Lascar	9	9				
1	1	Do.	7	7				
2	2	Total, Water Regulation Establishment, Godávari District.	...	16				
		Carried over ...	...	8,633½	63,072	...	63,144	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1883-84.	Number 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Estimate for 1884-85. Per Annum.	Estimate for 1884-85. Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	8,633½	63,072	...	63,144	
		EXECUTIVE BRANCH —*cont.*						
		IRRIGATION AND NAVIGATION WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT—*cont.*						
		Chingleput District.						
1	1	Superintendent	10½	10½				
1	1	Lascar	6	6				
1	1	Do.	5	5				
3	3	Total, Water Regulation Establishment, Chingleput District.	...	21½				
		South Arcot District.						
1	1	Superintendent	40	40				
1	2	Do.	35	70				
2	1	Do.	25	25				
2	2	Do.	20	40				
10	10	Lascars	8	80				
9	9	Do.	6	54				
28	32	Do.	5	160				
53	57	Total, Water Regulation Establishment, South Arcot District.	...	469				
		North Arcot District.						
1	1	Superintendent	27	27				
2	2	Do.	20	40				
1	1	Do.	12	12				
1	1	Do.	10	10				
5	5	Lascars	6	30				
15	15	Do.	5	75				
25	25	Total, Water Regulation Establishment, North Arcot District.	...	194				
		Coimbatore District.						
1	1	Superintendent	5	5				
4	4	Lascars	2½	10				
5	5	Total, Water Regulation Establishment, Coimbatore District.	...	15				
		Carried over ...	...	9,333	63,072	...	63,144	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1883-84.	Number 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Per Annum.	Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	9,333	63,072	...	63,144	
		EXECUTIVE BRANCH—*cont.*						
		IRRIGATION AND NAVIGATION WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT—*cont.*						
		Malabar District.						
1	1	Watchman	4	4				
1	1	Do.	3	3				
		Additional amount sanctioned.	...	11½				
2	2	Total, Water Regulation Establishment, Malabar District.	...	18½				
		Tanjore District.						
1	1	Superintendent	50	50				
2	2	Lascars	6	12				
6	6	Do.	5	30				
9	9	Total, Water Regulation Establishment, Tanjore District.	...	92				
		Trichinopoly District.						
1	1	Superintendent	15	15				
1	1	Do.	12	12				
2	2	Do.	10	20				
1	1	Lascar	6	6				
5	5	Do.	5	25				
18	18	Do.	4	72				
4	4	Do.	3	12				
32	32	Total, Water Regulation Establishment, Trichinopoly District.	...	162				
		Madura District.						
4	4	Lascars	4	16				
4	4	Total, Water Regulation Establishment, Madura District.	...	16				
		Carried over ...	...	9,621½	63,072	...	63,144	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1883-84.	Number 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Per Annum.	Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	9,621½	63,072	...	63,144	
		EXECUTIVE BRANCH—*cont.*						
		IRRIGATION AND NAVIGATION WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT—*cont.*						
		Tinnevelly District.						
1	1	Superintendent	45	45				
2	2	Do.	35	70				
4	4	Do.	30	120				
7	7	Lascars	8	56				
23	23	Do.	6	138				
23	23	Do.	5	115				
60	60	Total, Water Regulation Establishment, Tinnevelly District.	...	544				
		NAVIGATION ESTABLISHMENT.						
		South Arcot District.						
1	1	Superintendent	15	15				
1	1	Do.	10	10				
1	1	Lascar	8	8				
7	7	Do.	5	35				
10	10	Total, Navigation Establishment, South Arcot District.	...	68				
		AGRICULTURAL WORKS, RIVER CONSERVANCY ESTABLISHMENT.						
		Ganjam District.						
4	0	Lascars	3½	Nil.				
4		Total, River Conservancy Establishment, Ganjam District.	...					
		Carried over ...	...	10,233½	63,072	...	63,144	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—*continued.*

Number 1883-84.	Number 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Estimate for 1884-85. Per Annum.	Estimate for 1884-85. Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	10,233½	63,072	...	63,144	
		EXECUTIVE BRANCH —*cont.*						
		AGRICULTURAL WORKS, RIVER CONSERVANCY ESTABLISHMENT—*cont.*						
		Godávari District.						
2	2	Superintendents	15	30				
4	8	Lascars	6	48				
6	10	Total, River Conservancy Establishment, Godávari District.	...	78				
		South Arcot District.						
3	3	Lascars	8	24				
6	6	Do.	5	30				
9	9	Total, River Conservancy Establishment, South Arcot District.	...	54				
		Trichinopoly District.						
2	2	Lascars	7	14				
20	20	Do.	4	80				
4	4	Do.	3	12				
10	10	Do.	2½	25				
36	36	Total, River Conservancy Establishment, Trichinopoly District.	...	131				
		Tinnevelly District.						
1	1	Lascar	7	7				
4	4	Do.	2	8				
5	5	Total, River Conservancy Establishment, Tinnevelly District.	...	15				
		CONSERVANCY ESTABLISHMENT, KURNOOL CANAL DIVISION.						
		Irrigation.						
3	3	Irrigation Superintendents.	45, 55 and 65	165				
4	4	Anicut do.	2 at 15, 1 at 20, 1 at 25	75				
			...	240				
7	7	Carried over ...	...	10,511½	63,072	...	63,144	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1883-84.	Number. 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Estimate for 1884-85. Per Annum.	Estimate for 1884-85. Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	10,511½	63,072	...	63,144	
		EXECUTIVE BRANCH —*cont.*						
		Conservancy Establishment, Kurnool Canal Division—*cont.*						
7	7	*Irrigation*— cont.	...	240				
10	10	Head Lascars	8	80				
15	15	Lascars	7	105				
17	17	Do.	6	102				
13	13	Do.	5	65				
3	3	Lascars for three Irrigation Superintendents.	6	18				
65	65	Total, Irrigation, Kurnool Canal Division.	...	610				
		Navigation.						
7	7	Lock Superintendents ...	12	84				
15	15	Do. do. ...	10	150				
20	20	Do. do. ...	8	160				
42	42	Total, Navigation Establishment, Kurnool Canal Division.	...	394				
107	107	Total, Conservancy Establishment, Kurnool Canal Division.	...	1,004				Excludes 91 lascars for 8 months at 6 and 7. 45 at 7 = 315 46 at 6 = 276 — — 91 591 × 8 = 4,728 to be provided for from Temporary Establishment.
		Grand Total, Conservancy Establishment.	...	11,515½	1,38,186	...	1,36,206	
		Total, Petty Establishment.	...	...	...	2,01,258	1,99,350	
		Office Establishment.						
		For Chief Engineer and Secretary to Government, Public Works Department.						
1	1	Chief Assistant	600	600				
1	1	Second do.	300	300				
1	1	Accountant, 2nd Grade ...	295	295				
1	2	Clerk, 1st Class, 3rd Grade.	225	450				
2	1	Do. 2nd „ 2nd „	140	140				
1	1	Do. 2nd „ 3rd „	110	110				
4	4	Do. 3rd „ 2nd „	70	280				
4	4	Do. 3rd „ 3rd „	55	220				
15	15	Carried over ...	...	2,395				

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1883-84.	Number 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Per Annum.	Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...				
		EXECUTIVE BRANCH —cont.						
		Office Establishment —cont.						
15	15	*For Chief Engineer and Secretary to Government, Public Works Department*—cont.	...	2,395				
1	3	Clerk, 4th Class, 1st Grade.	45	135				
3	3	Do. 4th „ 2nd „	35	105				
2	3	Do. 4th „ 3rd „	25	75				
21	24		...	2,710				
1	1	Draftsman (Special) ...	225	225				
2	2	Do. 1st Class ...	60	120				
3	3		...	345				
3	3	Attenders	15,13&10	38				
1	1	Muchi	14	14				
2	2	Head Messengers	12 & 10	22				
7	7	Messengers	5 at 8 & 2 at 7	54				
13	13		...	128				
37	40	Total, Public Works Secretariat Office Establishment.	...	3,183	38,196	...	35,874	
		Lithographic Establishment.						
1	...	Superintendent	250					
1	...	Head Draftsman	120					
1	...	Second do.	100					
1	...	Third do.	80					
1	...	Fourth do.	60					
1	...	Fifth do.	40					
1	...	Sixth do.	30					
1	...	Seventh do.	25					
1	...	Eighth do.	20					
1	...	Ninth do.	15					
1	...	Tenth do.	10					
1	...	Tracer and Record-keeper.	25					
1	...	Do. do. ...	16					
1	...	Head Printer	20					
1	...	Second do.	12					
1	...	Third do.	12					
2	...	Pressmen	9					
6	...	Do.	8					
24	...	Carried over ...	...					

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1883-84.	Number. 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Per Annum.	Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
24	24	Brought forward ...	...	...				
		EXECUTIVE BRANCH —cont.						
		OFFICE ESTABLISHMENT —cont.						
		Lithographic Establishment. —cont.						
2	...	Pressmen	7					
2	...	Do.	5					
1	...	Clerk, 4th Class, 2nd Grade.	35					
29	...	Total, Lithographic Establishment.	...	...	...	...	11,520	
		For Chief Engineer and Joint Secretary to Government, Irrigation Branch.						
2	2	Clerks, 1st Class, 3rd Grade.	225	450				
1	...	Do. 2nd " 3rd " ...	110	...				
2	3	Do. 3rd " 1st " ...	90	270				
1	2	Do. 3rd " 2nd " ...	70	140				
1	1	Do. 3rd " 3rd " ...	55	55				
2	2	Do. 4th " 1st " ...	45	90				
3	3	Do. 4th " 2nd " ..	35	105				
1	1	Do. 4th " 3rd " ...	25	25				
1	...	Draftsman, 1st Class ...	60	...				
2	2	Do. 2nd " ...	42½	85				
2	2	Do. 3rd " ...	25	50				
18	18		...	1,270	...	...	...	
1	1	Reference Picker	15	15				
1	1	Do. do.	8	8				
1	1	Muchi	10	10				
1	1	Duffadar	10	10				
1	1	Head Peon	8	8				
1	1	Messenger	7	7				
2	2	Do.	6	12				
3	3	Lascars	7	21				
11	11		...	91				
29	29	Total, Office Establishment for Chief Engineer for Irrigation.	...	1,361	16,332	...	16,452	
		For Six Superintending Engineers' Offices.						
1	1	Clerk, 2nd Class, 1st Grade.	180	180				
1	1	Do. 2nd " 3rd "	110	110				
2	2	Carried over ...	...	290				

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1883-84.	Number 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Per Annum.	Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...					
		EXECUTIVE BRANCH —*cont.*						
		OFFICE ESTABLISHMENT —*cont.*						
2	2	*For Six Superintending Engineers' Offices*—cont.	...	290				
1	1	Clerk, 3rd Class, 3rd Grade.	55	55				
1	1	Do. 4th " 1st "	45	45				
1	1	Do. 4th " 2nd "	35	35				
2	2	Do. 4th " 3rd "	25	50				
1	1	Draftsman (Special) ...	90	90				
1	1	Do. 1st Class ...	60	60				
1	1	Do. 2nd " ...	42½	42½				
1	1	Messenger	8	8				
3	3	Messengers	6	18				
14	14	Total for each office ...	...	693½ 6				
84	84	Total for six offices ...	...	4,161	49,932	...	49,932	
		For Presidency Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	70	70				
1	1	Do. 4th " 1st "	45	45				
2	2	Do. 4th " 2nd "	35	70				
3	3	Do. 4th " 3rd "	25	75				
2	2	Do. 5th " 1st "	17½	35				
1	1	Cashier (Clerk, 3rd Class, 2nd Grade).	70	70				
1	1	Draftsman, 1st Class ...	60	60				
1	1	Do. 2nd " ...	42½	42½				
3	3	Do. 3rd " ...	25	75				
1	1	Messenger	7	7				
1	1	Do.	6	6				
17	17	Total, Office Establishment, Presidency Division.	...	555½	6,666	...	6,666	
		For Godávari Eastern Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	70	70				
2	2	Do. 4th " 1st "	45	90				
1	1	Do. 4th " 2nd "	35	35				
...	1	Cashier (Clerk, 4th Class, 2nd Grade).	35	35				
4	5	Carried over ...	...	230				

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1883-84.	Number. 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Estimate for 1884-85. Per Annum.	Estimate for 1884-85. Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...					
		EXECUTIVE BRANCH —*cont.*						
		OFFICE ESTABLISHMENT —*cont.*						
4	5	*For Godávari Eastern Division*—cont.		230				
3	3	Clerks, 4th Class, 3rd Grade	25	75				
1	1	Draftsman, 1st Class ...	60	60				
1	1	Do. 3rd ,, ...	25	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
11	12	Total, Office Establishment, Godávari Eastern Division.	...	403	4,836	...	4,416	
		For Kistna Eastern Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	70	70				
1	1	Do. 4th ,, 1st ,,	45	45				
1	1	Do. 4th ,, 2nd ,,	35	35				
3	3	Do. 4th ,, 3rd ,,	25	75				
1	1	Cashier (Clerk, 4th Class, 3rd Grade).	25	25				
1	1	Draftsman, 1st Class ...	60	60				
1	1	Do. 3rd ,, ...	25	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
11	11	Total, Office Establishment, Kistna Eastern Division.	...	348	4,176	...	4,176	
		*For Eight First-class Divisions.**						
1	1	Clerk, 3rd Class, 2nd Grade.	70	70				* 1. Godávari Western. 2. Kistna Western. 3. Kurnool Canal. 4. South Arcot. 5. Buckingham Canal. 6. Tanjore. 7. Tinnevelly. 8. Coimbatore.
1	1	Do. 4th ,, 1st ,,	45	45				
1	1	Do. 4th ,, 2nd ,,	35	35				
2	2	Do. 4th ,, 3rd ,,	25	50				
1	1	Draftsman, 1st Class ...	60	60				
1	1	Do. 3rd ,, ...	25	25				
1	1	Messenger	7	7				
1	1	Do.	6	6				
9	9	Total for each office ...	...	298 8				
72	72	Total for eight offices ...	...	2,384	28,608	...	28,608	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1883-84.	Number. 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Estimate for 1884-85. Per Annum.	Estimate for 1884-85. Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		OFFICE ESTABLISHMENT —*cont.*						
		For Seven Second-class Divisions. *						* 1. Nellore.
1	1	Clerk, 3rd Class, 2nd Grade.	70	70				2. Cuddapah.
1	1	Do. 4th „ 2nd „	35	35				3. North Arcot.
2	2	Do. 4th „ 3rd „	25	50				4. Chingleput.
1	1	Draftsman, 1st Class ...	60	60				5. Trichinopoly.
1	1	Do. 3rd „ ...	25	25				6. Negapatam.
1	1	Messenger	7	7				7. Sangam Project.
1	1	Do.	6	6				
8	8	Total for each office ...	...	253 7				
56	56	Total for seven offices ...	...	1,771				
1	1	Add Cashier (Clerk, 4th Class, 1st Grade). Sangam Project Division.	...	45				
0	1	Clerk, 4th Class, 3rd Grade, for North Arcot Division.	...	25				
57	58	Total for seven offices ...	...	1,841	22,092	...	21,792	
		For Nilgiri Division.						
1	1	Clerk, 3rd Class, 2nd Grade.	70	70				
1	1	Do. 4th „ 1st „	45	45				
2	3	Do. 4th „ 2nd „	35	105				
1	1	Draftsman, 1st Class ...	60	60				
1	1	Do. 2nd „ ...	42½	42½				
1	1	Messenger	9	9				
1	1	Do.	8	8				
8	9	Total, Office Establishment, Nilgiri Division.	...	339½	4,074	...	3,654	
		For Six Third-class Divisions. †						† 1. Ganjam.
1	1	Clerk, 3rd Class, 3rd Grade.	55	55				2. Vizagapatam.
1	1	Do. 4th „ 2nd „	35	35				3. Bellary.
2	2	Do. 4th „ 3rd „	25	50				4. Salem.
1	1	Draftsman, 2nd Class ...	42½	42½				5. Madura.
1	1	Do. 3rd „ ...	25	25				6. Kurnool.
1	1	Messenger	7	7				
1	1	Do.	6	6				
8	8	Total for each office ...	...	220½ 6				
48	48	Total for six offices ...	...	1,323	15,876	...	15,876	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1883-84.	Number 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Per Annum.	Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		OFFICE ESTABLISHMENT —*cont.*						
		Office Establishment for the Consulting Architect to Government.						
...	1	Clerk, 1st Class, 3rd Grade.	225	225				
1	1	Do. 4th " 1st "	45	45				
...	2	Do. 4th " 3rd "	25	50				
...	1	Do. 5th " 1st "	17½	17½				
...	1	Draftsman 1st Class ...	60	60				
1	...	Draftsman and Estimator...	145	...				
1	1	Do. 2nd Class ...	42½	42½				
1	2	Do. 3rd " ...	25	50				
1	1	Messenger	7	7				
1	1	Do.	6	6				
6	11	Total, Office Establishment for Consulting Architect to Government.	...	503	6,036	...	3,246	
		For Public Works Stores.						
...	1	Clerk	250	250				
1	...	Do. 2nd Class 2nd Grade.	140	...				
1	1	Do. 3rd " 2nd "	70	70				
1	1	Do. 4th " 2nd "	35	35				
1	1	Do. 4th " 3rd "	25	25				
1	1	Messenger	8	8				
2	2	Do.	7	14				
2	2	Do.	6½	13				
9	9	Total, Office Establishment, Public Works Stores.	...	415	4,980	...	3,660	
		Office (Toll) Establishment, Buckingham Canal.						
3	...	Clerks, 4th Class, 2nd Grade	35	...				
7	1	Do. 4th " 3rd "	25	25				
9	1	Do. 5th " 1st "	17½	17½				
2	...	Do. 5th " 2nd "	12½	...				
...	1	Wharf Superintendent ...	50	50				
...	4	Superintendents	15	60				
1	...	Lascar	8	...				
22	4	Lascars	7	28				
25	9	Do.	6	54				
69	20	Total, Office (Toll) Establishment, Buckingham Canal.	...	234½	2,814	...	9,294	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1883-84.	Number. 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Estimate for 1884-85. Per Annum.	Estimate for 1884-85. Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		OFFICE ESTABLISHMENT —*cont.*						
		For Two Project Divisions.						
2	2	Draftsmen, 1st Class ...	60	120				
2	2	Do. 2nd „ ...	42½	85				
1	1	Clerk, 4th Class, 2nd Grade.	35	35				
1	1	Do. 5th „ 1st „	17½	17½				
1	1	Messenger	7	7				
1	1	Do.	6	6				
8	8	Total for each Project Division Office.	...	270½ 2				
16	16	Total for two offices ...	...	541	6,492	...	...	
		For D Project Division.						
2	...	Draftsmen, 1st Class ...	60	...				
1	...	Do. 2nd „ ...	42½	...				
1	...	Do. 3rd „	25	...				
1	...	Clerk, 3rd Class, 3rd Grade.	55	...				
1	...	Messenger	7	...				
1	...	Do.	6	...				
7	...	Total, Office Establishment, D Project Division.	...	...				
23	...	Total, Office Establishment, for four Project Divisions.	...	...	...	...	9,558	
		For Fifty-seven Sub-divisional Offices.						
1	1	Clerk, 4th Class, 3rd Grade.	25	25				
1	1	Messenger	6	6				
2	2	Total for each Sub-divisional Office.	...	31 57				
112	114	Total for fifty-seven offices.	...	1,767	21,204	...	20,832	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1883-84.	Number 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Per Annum.	Total.	Estimate for 1883-84.	Remarks.
		EXECUTIVE BRANCH —*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.	
		OFFICE ESTABLISHMENT —*cont.*						
		For Eighty-two Detached Officers.						
1	1	Clerk, 4th Class, 3rd Grade.	25	25				
1	1	Total for each Detached Officer.	...	25 82				
82	82	Total for eighty-two Detached Officers.	...	2,050	24,600	...	24,600	
		For Ninety-six Overseers.						
1	1	Clerk, 5th Class, 1st Grade.	17½	17½				
1	1	Total for each Overseer ...	...	17½ 96				
91	96	Total for ninety-six Overseers.	...	1,680	20,160	...	19,110	
		Abstract of Office Establishment.						
37	40	Public Works Department Secretariat.	...	...	38,196	...	35,874	
29	...	Lithographic Establishment	...	...	...	...	11,520	
29	29	Office of Chief Engineer for Irrigation.	...	...	16,332	...	16,452	
84	84	Six Superintending Engineers' Offices.	...	...	49,932	...	49,932	
17	17	Presidency Division Office.	...	...	6,666	...	6,666	
11	12	Godávari Eastern Division Office.	...	...	4,836	...	4,416	
11	11	Kistna Eastern Division Office.	...	...	4,176	...	4,176	
72	72	Eight 1st Class Division Offices.	...	...	28,608	...	28,608	
57	58	Seven 2nd Class Division Offices.	...	...	22,092	...	21,792	
8	9	Nílgiri Division Office ...	...	...	4,074	...	3,654	
48	48	Six 3rd Class Division Offices.	...	...	15,876	...	15,876	
6	11	Office Establishment for the Consulting Architect to Government.	...	...	6,036	...	3,246	
9	9	Public Works Stores Office.	...	...	4,980	...	3,660	
69	20	Office (Toll) Establishment, Buckingham Canal.	...	...	2,814	...	9,294	
23	16	2 Project Division Offices.	...	...	6,492	...	9,558	
510	436	Carried over ...	...	...	2,11,110	...	2,24,724	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number.		Particulars.	Salary of Office.	Estimate for 1884-85.			Estimate for 1883-84.	Remarks.
1883-84.	1884-85.			Per Mensem.	Per Annum.	Total.		
			Rs.	Rs.	Rs.	Rs.	Rs.	
510	436	Brought forward ...			2,11,110		2,24,724	
		EXECUTIVE BRANCH —*cont.*						
		Office Establishment —*cont.*						
		Abstract of Office Establishment—cont.						
112	114	57 Sub-divisional Offices ...	...	...	21,204	...	20,832	
82	82	82 Detached Officers ...	...	...	24,600	...	24,600	
91	96	Overseers	...	...	20,160	...	19,110	
795	728	Total, Office Establishment.	...	...	...	2,77,074	2,89,266	
		Temporary Establishment.						
		Engineer	...	...	92,000			
		Upper Subordinate ...	...	...	50,000			
		Petty	...	...	10,000			
		Office	...	...	48,510			
		Total, Temporary Estabt.	...	...	...	2,00,510	1,86,424	
		Local Allowances.						
		Upper Godávari allowance.	45	45	540			
		Wynaad allowance ...	...	...	1,200			
		Potinghy Ghât allowance ...	...	1,200	14,400			
		Presidency house-rent ...	...	800	9,600			
		Do. allowance ...	...	800	9,600			
		Total, Local Allowances ...	...	...	...	35,340	27,580	
		Travelling Allowances.	...	...	...	2,06,000	2,06,000	
		Contingencies inclusive of Postage.						
		Public Works Department Secretariat ... ... RS. 500						
		Office of Chief Engineer for Irrigation. 150						
		6 Superintending Engineers' Offices.						
		26 Divisional Offices.						
		32 Offices at Rs. 100 per mensem for each Office ... 3,200						
		Four Project Divisions at Rs. 50 per mensem each ... 200						
		4,050	...	4,050	48,600	48,600	48,000	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number. 1883-84.	Number. 1884-85.	Particulars.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Estimate for 1883-84. Per Annum.	Estimate for 1883-84. Total.	Estimate for 1882-83.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		EXECUTIVE BRANCH —*cont.*						
		Abstract of the Foregoing.						
		Engineer Establishment ...	...	...	7,38,904	...	7,80,690	
		Upper Subordinate do. ...	...	...	3,46,704	...	3,59,940	
		Lower do. do. ...	...	...	6,240	...	6,240	
		Petty Establishment ...	...	...	2,01,258	...	1,99,350	
		Office do. ...	...	...	2,77,074	...	2,89,266	
		Temporary do. ...	...	...	2,00,510	...	1,86,424	
		Local allowances	...	...	35,340	...	27,580	
		Total, Salaries ...	...	...	...	18,06,030	18,49,490	
		Travelling allowances ...	...	...	...	2,06,000	2,06,000	
		Contingencies	...	...	...	48,600	48,000	
		Grand Total, Executive Branch.	...	...	...	20,60,630	21,03,490	
		ACCOUNTS BRANCH.						
1	1	Examiner, 3rd Class ...	1,100	1,100				
2	1	Deputy Examiner ...	450	450				
1	2	Assistant Examiners ...	350	700				
4	4	Total, Examiner's Establishment.	...	2,250	27,000		28,200	
		Accountants.						
2	2	Accountants, 1st Grade ..	400	800				
*3	*3	Do. 2nd " ...	295	885				* Excludes one Accountant, 2nd Grade, attached to the Public Works Department Secretariat.
6	6	Do. 3rd " ...	200	1,200				
17	18	Do. 4th " ..	115	2,070				
30	30	Do. 5th " ...	57½	1,725				
58	59	Total, Accountants ...	...	6,680	80,160	...	78,780	
		OFFICE ESTABLISHMENT.						
		Clerks.						
1	1	Clerk, 2nd Class, 2nd Grade.	140	140				
1	1	Do. 3rd " 1st "	90	90				
4	4	Do. 3rd " 2nd "	70	280				
7	7	Do. 3rd " 3rd "	55	385				
6	6	Do. 4th " 1st "	45	270				
19	19	Carried over ...		1,165	1,07,160	...	1,06,980	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—continued.

Number 1883-84.	Number 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Per Annum.	Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
19	19	Brought forward ...	...	1,165	1,07,160	...	1,06,980	
		ACCOUNTS BRANCH —*cont.*						
		OFFICE ESTABLISHMENT —*cont.*						
		Clerks—cont.						
10	10	Clerk, 4th Class, 2nd Grade	35	350				
16	18	Do. 4th „ 3rd „	25	450				
9	16	Do. 5th „ 1st „	17½	280				
...	2	Do. 5th „ 2nd „	12½	25				
54	65	Total, Clerks ...	...	2,270				
		Menial Servants.						
...	1	Muchi	12	12				
1	1	Do.	10	10				
1	1	Do.	8	8				
1	1	Attender	5	5				
1	1	Head Messenger	10	10				
1	1	Do.	8	8				
4	4	Messengers	7	28				
6	6	Do.	6	36				
2	2	Rollers	5	10				
17	18	Total, Menial Servants ...	...	127				
71	83	Total, Office Establishment.	...	2,397	28,764	...	26,250	
		Temporary Establishment ...	...	...	1,000	...	...	Sanctioned in G.O., No. 3397 W., dated 28th November 1883.
		Local and Charge Allowances.						
		Presidency house-rent ...	...	500				
		Do. allowance ...	...	1,200				
		Charge allowance for 20 5th-Grade Accountants.	...	400				
		Total, Local and Charge Allowances.	...	2,100	25,200	...	25,200	
		Total, Salaries	...	...	...	1,62,124	1,58,430	
		Carried over ...	...	...	...	1,62,124	1,58,430	

GOVERNMENT OF MADRAS.

PART III—continued.

DETAIL OF THE BUDGET-ESTIMATE FOR ESTABLISHMENT, &c.—concld.

Number 1883-84.	Number 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Estimate for 1884-85. Per Annum.	Estimate for 1884-85. Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		Brought forward ...	...	...	...	1,62,124	1,58,430	
		ACCOUNTS BRANCH —*cont.*						
		Total Salaries	...	...	...	1,62,124	1,58,430	
		Travelling allowances ...	...	300	3,600	3,600	3,600	
		Contingencies	...	400	4,800	4,800	4,800	
		Grand Total ...	...	...	...	1,70,524	1,66,830	
		Deduct contributions for two Accountants as follows:— Madras Harbour Works ... 1; Dowlaishweram Workshops ... 1; Total ... 2	...	...	...	−2,688	−2,964	
		Net Total, Accounts Branch.	...	...	...	1,67,836	1,63,866	
		Abstract.						
		Executive Branch	...	...	...	20,60,630	21,03,490	
		Accounts do.	...	...	...	1,67,836	1,63,866	
		Total, Public Works Department Establishment.	...	...	...	22,28,466	22,67,356	
		Probable savings on account of Absentees, &c.	...	...	...	...	−80,000	
		Net Total, Public Works Department Establishment.	...	...	...	22,28,466	21,87,356	

GOVERNMENT OF MADRAS.

PART III—concld.

ABSTRACT OF THE FOREGOING PROVISION FOR ESTABLISHMENTS.

Number. 1883-84.	Number. 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Estimate for 1884-85. Per Annum.	Estimate for 1884-85. Total.	Estimate for 1883-84.	Remarks.
			Rs.	Rs.	Rs.	Rs.	Rs.	
		ABSTRACT.						
		Executive Branch ...	...	...	...	20,60,630	21,03,490	
		Accounts Branch ...	...	...	...	1,67,836	1,63,866	
		Total, Public Works Establishment.	...	...	...	22,28,466	22,67,356	
		Probable Savings on account of Absentees, &c. ...	...	...	...	...	− 80,000	
						22,28,466	21,87,356	
		Deduct Contributions.						
		Productive Public Works ...	...	...	6,61,206			
		Irrigation and Navigation and Agricultural Works.	...	...	4,51,433			
		Tank Maintenance Works ...	...	...	1,00,630			
		Imperial Military Works ...	...	...	1,10,300			
		Imperial Other Services ...	...	..	26,400			
		Incorporated Local Funds ...	...	...	8,093			
		Excluded Funds	...	...	...			
		Irrigation and Navigation under Provincial.	...	...	96,417			
		Protective Public Works ...	...	...	46,000	15,00,479	12,36,622	
		Balance from Provincial ...	...	...	...	7,27,987	9,50,734	

GOVERNMENT OF MADRAS.

PART IV.

DETAIL OF THE BUDGET-ESTIMATE FOR TOOLS AND PLANT UNDER PROVINCIAL SERVICES IN MADRAS FOR THE YEAR 1884-85.

Division.	Surveying & Mathematical Instruments.	Machinery.	Tools.	Plant.	Office Furniture.	Camp Equipage.	Live Stock.	Repairs and Carriage.	Total, 1884-85.	Estimate, 1883-84.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Ganjam	...	...	...	...	...	...	...		500	
Vizagapatam	...	...	...	...	...	...	...	...	2,000	
Godávari, Eastern	...	...	...	...	...	...	...	...	8,000	
Do. Central	...	...	...	...	...	...	...	...	500	
Do. Western	...	...	...	...	...	...	...	...	1,200	
Kistna, Eastern	...	...	...	...	...	...	...	...	5,940	
Do. Western	...	...	...	...	...	...	...	...	100	
Nellore	...	...	...	...	...	...	...	...	2,300	
Gudiváda	...	...	...	...	...	...	...	...	300	
Bellary	...	...	...	...	...	...	...	...	700	
Cuddapah	...	...	...	...	...	...	...	...	900	
Kurnool	...	...	...	...	...	...	...	...	300	
Do. Canal	...	...	...	...	...	...	...	...	1,500	
Nílgiri	...	...	...	...	...	...	...	...	2,000	
Coimbatore	...	...	...	...	...	...	...	...	2,630	
Salem	...	...	...	...	...	...	...	...	550	
North Arcot	...	...	...	...	...	...	...	...	300	57,709
South do.	...	...	...	...	...	...	...	...	1,430	
Chingleput	...	...	...	...	...	...	...	...	550	
Presidency	...	...	...	...	...	...	...	...	2,300	
Trichinopoly	...	...	...	...	...	...	...	...	1,000	
Tanjore	...	...	...	...	...	...	...	...	1,000	
Negapatam	...	...	...	...	...	...	...	...	1,220	
Madura	...	...	...	...	...	...	...	...	300	
Tinnevelly	...	...	...	...	...	...	...	...	1,600	
Consulting Architect	...	...	...	...	...	...	...	...	1,500	
Increase of Capital to the Dowlaishweram Workshops ...	...	...	...	...	...	...	...	...	...	
General Superintendent, Public Works Stores	...	...	...	...	...	...	...	...	...	
Special Plant	...	...	...	...	...	...	...	...	...	
Reserve at the disposal of Government	...	...	...	...	...	...	...	...	7,536	
Total ...	...	.	...	...	...	...	...	...	48,156	57,709
London Supplies	...	...	...	...	...	...	...	...	50,000	67,291
Grand Total ...	...	...	...	...	...	...	...	...	98,156	1,25,000

ABSTRACT OF THE FOREGOING PROVISION FOR TOOLS AND PLANT.

	Rs.	Rs.
Total of the details shown above	...	98,156
Distribution of the above—		
Contribution from Imperial Military Works at $1\frac{1}{2}$ per cent. on the grant for works.	7,000	
Do. from Other Services	1,700	
Do. from Irrigation and Navigation and Agricultural Works ...	18,122	
Do. Incorporated Local Funds	497	
		27,319
Balance to be provided from Provincial	...	70,837

GOVERNMENT OF MADRAS.

PART VI.

ABSTRACT OF THE PROBABLE INCREASE OR DECREASE IN THE SUSPENSE BALANCES FOR 1884-85 AND PROVIDED FOR IN THE ORDINARY PROVINCIAL SERVICE BUDGET-ESTIMATE OF THE YEAR.

—	Stock.	Stock Purchases and Sales.	Miscellaneous Advances.	London Stores.	London Invoices.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Actual balances on 1st April 1883-84.	4,94,190	5,489	85,997	2,859	7,859	5,85,416
Probable charges during 1883-84 ...	8,47,810	97,389	1,67,003	1,841	8,141	11,22,184
Total ...	13,42,000	91,900	2,53,000	4,700	16,000	17,07,600
Probable credits or issues including sales and cash receipts during 1883-84.	8,23,000	87,400	1,89,000	4,700	16,000	11,20,100
Probable balance on 1st April 1884 ...	5,19,000	4,500	64,000	...	...	5,87,500
Probable charges during 1884-85 ...	7,77,000	1,83,000	2,14,000	15,600	14,000	12,03,600
Total ...	12,96,000	1,87,500	2,78,000	15,600	14,000	17,91,100
Probable credits or issues including sales and cash receipts during 1884-85.	8,12,000	1,80,000	2,49,000	15,600	14,000	12,70,600
Probable balance on 31st March 1885.	4,84,000	7,500	29,000	...	...	5,20,500
Results of operations of 1884-85, viz. :—						
Increase	...	3,000	...	...	...	3,000
Decrease	35,000	...	35,000	...	...	70,000
Net ...	**—35,000**	3,000	**—35,000**	...	...	**—67,000**

GOVERNMENT OF MADRAS.

APPENDIX A.

DISTRIBUTION OF THE GRANTS FOR 1884-85 UNDER PROVINCIAL SERVICES, ARRANGED BY DEPARTMENTS AND OBJECTS OF WORKS.

—	Major Original Works.	Minor Works.	Repairs.	Total.	Establishment.	Tools and Plant.	Stock and Suspense.	Total, 1884-85.	Estimate, 1883-84.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
CIVIL BUILDINGS.									
Provincial Services—(Imperial).									
Administration ...	3,78,072								
Minor Departments ...	2,850								
Law and Justice ...	82,576								
Ecclesiastical	2,170								
Provincial Services—(Provincial).		2,13,010	1,42,400	13,37,127					
Jails	1,99,335								
Police	66,033								
Educational	22,637								
Medical	27,205								
Miscellaneous	1,87,756								
Total, Civil Buildings.	9,68,634	2,13,010	1,42,400	13,24,044					
COMMUNICATIONS.									
Metalled and bridged roads	84,000	...	48,000	1,32,000					
Navigable Canals ...	...	...							
Total, Communications.	84,000	...	48,000	1,32,000					
MISCELLANEOUS PUBLIC IMPROVEMENTS.									
Sewage including Drainage	14,200	...	4,600	52,132					
Paving and Streets ...	33,332	...							
Total ...	47,532	...	4,600	52,132					
Grand Total ...	11,00,166	2,13,010	1,95,000	15,08,176	7,27,987	70,837	−67,000	22,40,000	21,50,000

GOVERNMENT OF MADRAS.

APPENDIX D.

ESTIMATED AMOUNT OF RECEIPTS AND CHARGES OF THE BUILDINGS AND ROADS BRANCH, PUBLIC WORKS DEPARTMENT, MADRAS, FOR THE YEARS 1883-84 AND 1884-85.

Accounts.	Budget Estimate.	Revised Estimate.
	Rs.	Rs.
To Balance at commencement of the year—		
Cash in departmental treasuries	39,756	31,124
Civil Department—		
Remittances from Civil to Public Works Department	...	...
Cheques of Public Works officers	58,69,554	69,79,351
Items adjustable by Civil Department—		
Excluded Local Fund Receipts	...	...
Subscriptions to Service Funds	7,927	9,220
Do. to General Family Pension Fund	1,169	1,824
Do. to Hindu Annuity Fund	...	...
Gain by Exchange	28,691	21,125
Miscellaneous	80,000	84,655
Items adjustable by Public Works Department—		
Payments for land for public works	1,47,304	1,42,379
Supplies from Forest Department	8,167	5,149
Transfers, Miscellaneous	3,05,837	2,57,813
Guaranteed Railways as per schedules	...	...
Central Adjusting Account	33,046	18,538
Telegraph Department (as per Schedule A)	192	96
Transfers of the Public Works Department—		
Divisional	4,65,085	4,09,621
Buildings and Roads	7,372	6,966
Irrigation	61,29,747	36,73,814
State Railways	2,802	7,241
London Account (as per Schedule B)—		
Stores	1,29,183	80,797
Miscellaneous	18,598	20,649
Incorporated Local Fund Receipts	7,000	6,000
Provincial Revenue Receipts	1,97,000	1,00,000
Imperial Revenue Receipts—		
Military Works	32,000	30,000
Civil Buildings, Roads and Services	...	...
Suspense Accounts not affecting the Budget Grant—		
Deposits	3,65,135	2,79,343
Total ...	1,38,75,565	1,21,65,704

Accounts.	Budget Estimate.	Revised Estimate.
	Rs.	Rs.
By Civil Department—		
Remittances to Civil from Public Works Department	...	...
Payments into treasuries by officers of the Public Works Department ...	5,89,162	5,66,552
Items adjustable by Civil Department—		
Excluded Local Fund Expenditure	...	73,100
Expenditure against Local Loans	...	...
Famine Relief	...	...
Supplies to Forest Department	25	12
Miscellaneous	58,525	51,916
Items adjustable by Public Works Department—		
Other Public Works revenue realized in the Civil Department	45,742	30,572
Miscellaneous Receipts of Public Works realized in the Civil Department.	10,368	8,454
Contributions in aid of public works	10,954	15,478
Transfers, Miscellaneous	76,985	38,492
Guaranteed Railways	25,443	12,721
Central Adjusting Account	67,332	46,068
Telegraph Department (as per Schedule D)	70	46
Transfers of the Public Works Department—		
Divisional	4,06,659	3,87,258
Buildings and Roads	44,695	25,896
Irrigation	84,29,969	68,06,061
State Railways	98,405	1,85,702
State outlay on Guaranteed Railways	98,738	1,00,997
Incorporated Local Fund Expenditure	1,13,500	61,034
Expenditure against Provincial Budget Grant	22,40,000	22,67,190
Expenditure against Imperial Budget Grant—		
Military Works	5,90,600	5,97,400
Civil Buildings, Roads and Services	1,42,800	2,62,300
Madras Harbour Works	5,00,000	2,80,000
Suspense Accounts not affecting Budget Grant—		
Deposits	2,95,593	3,08,699
Balance	30,000	39,756
Total ..	1,39,74,459	1,21,65,704

PROVINCIAL SERVICES.
PUBLIC WORKS BUDGET-ESTIMATE.

GOVERNMENT OF MADRAS.

APPENDIX E.

STATEMENT SHOWING THE APPROXIMATE PERCENTAGE WHICH THE CHARGES FOR ESTABLISHMENT BEAR TO THE EXPENDITURE ON WORKS.

MADRAS PUBLIC WORKS, 1884-85.

Service.	Class.	New Works.	Repairs.	Total Outlay.	Establishment.	Percentage on Outlay.	Remarks.
		Rs.	Rs.	Rs.	Rs.		
Imperial ...	Military	1,98,300	2,75,000	4,73,300	1,10,300		
	Civil Buildings ...	1,06,700	8,000	1,14,800	26,400		
	Miscellaneous Public Improvements.	...	...	...			
	Barrack	...	...	...	...		
	Total ...	...	..	5,88,100	1,36,700	23·24	
Provincial ...	Civil Buildings ...	11,81,644	1,42,400	13,24,044	...		The grant for establishment under Provincial bears no fixed proportion to that for works and is dependent on the amounts contributed from other funds. The percentage is, however, much less than that for last year.
	Communications ...	84,000	48,000	1,32,000	...		
	Miscellaneous Public Improvements.	47,532	4,600	52,132	...		
	Total ...	...	...	15,08,176	7,27,987	48·27	
Incorporated Local Funds.	Civil Buildings ...	...	...	...	...		
	Communications ...	26,460	15,950	42,410	...		
	Miscellaneous Public Improvements.	...	...	...	...		
	Total ...	...	...	42,410	8,093	19·08	Less than the prescribed percentage.
Imperial Irrigation and Navigation, Agricultural and Productive Works.	......	...	...	16,34,047	5,98,063	36·60	
Provincial Irrigation and Navigation Works.	......	...	...	2,52,215	96,417	38·22	
Imperial Productive Public Works.	......	...	...	19,89,159	6,61,206	33·74	

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following despatch from the Most Honorable the Secretary of State for India, to His Excellency the Right Honorable, the Governor in Council, Fort St. George, dated India Office, London, 27th March 1884, No. 7, Public Works :—

In reply to the question as to the classification of Europeans and natives in the upper subordinate establishment of your Public Works Department, which has been raised by your Excellency in your Public Works letters, Nos. $\frac{6}{268}$ and $\frac{2}{198}$ W., dated respectively the 24th January 1883 and 22nd January 1884, I have to inform you that it appears to me it would be advisable to class with Europeans all persons of mixed blood adopting the customs of Europe, leaving the native class to be represented by those who are of pure Asiatic descent or who adopt the customs of the natives of India.

2. By this mode of classification the degree of employment of such natives of India, a point to which I, in common with my predecessors, attach considerable importance, will be more easily perceived.

3. I request, therefore, that this mode of classification may be adopted in future, taking care, however, that the recognition of the distinctions above indicated should not be made the cause of any invidious inquiries.

Order—dated 24th April 1884, No. 1046 W., Public Works.

Recorded for guidance.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 24th.

Recd. *Encl.*

G.O., 24th April 1884, No. 1046 W.

APRIL.

Upper Subordinate Establishment

Despatch from the Secretary of State containing definite instructions for the classification of Europeans and natives in the — of the Madras Public Works Department, recorded.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

From G. T. WALCH, Esq., Officiating Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Dowlaishweram, 26th September 1883, No. 1824 G.D.

I have the honor to enclose copy of a letter * from the Executive Engineer, Central Division, and to say that I thoroughly agree with him as to the necessity for an increase in the conservancy establishment of one Delta Superintendent, 3rd Grade, and four lascars on Rs. 5 each in the Central Delta, and I trust you will see fit to get sanction for the same.

* 1 Copy of letter, No. 359, dated 8th September 1883, from Central Division Officer, to Superintending Engineer, I Circle.
1 Original letter, No. 368, dated 15th September 1883, from Central Division Officer, to Superintending Engineer, I Circle, with its two enclosures.

2. Should you do so please have them added to the Productive Public Works Budget Estimate (Part IV, and Schedule E), sent to you on 24th September 1883.

3. As bearing on the subject I also enclose letter, † No. 368 of 15th instant from the same officer, and I would beg a reference to the former correspondence ‡ on the subject of legislation as regards unauthorised interference with and injury to irrigation works.

† In original with enclosures to be returned.
‡ Commencing with my No. 1400, dated 18th August 1880, and ending with my No. 201 G.D., dated 20th April 1882.

From the same officer, dated Dowlaishweram, 29th March 1884, No. 3754 G.D.

With reference to your memorandum, No. 29 G.D., dated the 13th March 1884, I have the honor to submit, herewith, a statement in the prescribed form for the increase of the conservancy establishment in the Godávari district as requested in the above memorandum.

2. The officer in charge, Central division, has been requested to entertain the extra Delta Superintendent and the lascars from the 1st April next.

STATEMENT of proposition for revision of establishment in the Godávari District, I Circle.

Order sanctioning Present Establishment. Government of Madras, Public Works Department.		Office to which the proposition refers.	Nature of Charge.												Proposition.						Remarks by Local Government.
			Present Scale.						Proposed Scale.						Permanent.		Temporary.				
					Pay.						Pay.				Increase per month.	Decrease per month.	Increase per month.		Decrease per month.		
No.	Date.		No.	Designation.	Maximum.	Increment.	Minimum.	Average or fixed.	No.	Designation.	Maximum.	Increment.	Minimum.	Average or fixed.	Amount.	Amount.	Period.	Amount.	Period.	Amount.	
1038 2537 3591 757 3436 213 562 682 I. 815 I. 461 273 70 I. 3401 W.	22nd April 1874. 7th Sept. ,, 21st Dec. ,, 18th Mar. 1875. 3rd Dec. ,, 21st July 1876. 8th ,, 1878. 28th Aug. ,, 21st Dec. 1880. 26th July 1881. 13th April ,, 7th Feb. 1880. 12th Dec. 1882.	Godávari District.		Water Regulation Establishment.	..	..	..	RS. Fixed. 2,264		Water Regulation Establishment, *vide* page 34 of the Provincial Budget Estimate for 1884-85, Preliminary Issue.	..	..	..	RS. 2,264	..	..	Not known.	..	..	..	
									1	Delta Superintendent, 3rd Grade.	..	..	..	40	..	..		* 40	..	..	
				Total ..				2,264	4	Delta Lascars at Rs. 5 each.	..	..	..	20	..	..		* 20	..	..	
														2,324				60			
489 W. and Provincial Budget for 1883-84.	14th Feb. 1883.			Navigation Establishment.	..	..	..	1,797		Navigation Establishment, *vide* page 34 of the Provincial Budget Estimate for 1884-85, Preliminary Issue.	..	..	..	1,797	..	..		..	..	..	
				Total ..	..	..	..	4,061		Total Water Regulation and Navigation Establishments.	..	..	..	4,121				60	..	..	

* This establishment will be reduced when the Irrigation is improved by the works now under construction in the Godávari Central Division,—*vide* Irrigation Chief Engineer's memorandum, No. 29 G.D., dated the 13th March 1884.

DOWLAISHWERAM,
29th March 1884.

(Signed) G. T. WALCH,
Offg. Superintending Engineer, I Circle.

Endorsement on the above.

Forwarded to the Chief Engineer, Public Works Department, with a recommendation that one Delta Superintendent on Rs. 40 per mensem and four lascars at Rs. 5 each may be sanctioned for one year for the Godávari Central Delta Division, from the provision for temporary establishment in the Provincial Budget Estimate for 1884-85.

Ootacamund,
21st April 1884.

(Signed) J. O. HASTED, Colonel, R.E.,
Chief Engineer for Irrigation.

Order—dated 25th April 1884, No. 1047 W., Public Works.

The additional establishment recommended, consisting of one Delta Superintendent on Rs. 40 and four lascars on Rs. 5 each, is sanctioned against the budget provision for temporary establishment.

2. This sanction has been registered as Provincial No. 5 W. of 1884-85 and classified as Establishment, Temporary.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 25th.

Recd. *Encl.*

G.O., 25th April 1884, No. 1047 W.

APRIL.

Conservancy Establishment

Sanctioning an additional — for one year for the Godávari Central Delta Division.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

ORDER—dated 25th April 1884, No. 1054 W., Public Works.

The Inspector-General of Jails having called attention to the expediency of extending the employment of convict labor on the construction of jails, the Government desire that labor of this kind should be utilised whenever practicable.

2. In proceedings of the Government of India, in the Home Department (Judicial), No. 1873—80, dated 22nd December 1869,* it is stated that the first application of prison labor should, as a general rule, be in the service of the jail itself, and of other jails; and that the services of all prisoners must be given to the utmost extent to the State in this way, without charge. Applying this principle to Public Works, the services of convicts for jail works would be obtained without cost to the Public Works Department, and the estimates for works of that class would be correspondingly reduced.

* G.O., dated 24th January 1870, No. 98.

3. It is not intended that arrangements already made for carrying out jail works by contract or otherwise should be cancelled, when inconvenience would thereby be caused; but in all cases where the employment of convict labor would be to the manifest advantage of the State, the services of prisoners should be availed of.

4. The Trichinopoly jail, for which a provision of Rs. 20,000 is made in the budget of 1884-85, and which has not yet been commenced, presents a favorable opportunity for trying convict labor on a large scale. The convicts would, perhaps, be best employed in digging foundations, carting bricks and lime, collecting sand, &c., and subsequently in aiding in the erection of the enclosure wall, and in any other work for which skilled-labor is not essential.

5. The arrangements for segregrating the convicts, and otherwise maintaining discipline, can doubtless be efficiently managed by local officers acting in concert.

6. The special attention of Public Works officers is invited to the matter; and they will report how far these orders can conveniently be carried into effect as regards jail works entered in the budget of 1884-85.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
,, Examiner, Public Works Accounts.
,, Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 25th.

Recd. *Encl.*

G.O., 25th April 1884, No. 1054 W.

APRIL.

Convict Labor

Ordering, with remarks, the utilisation of — on jail construction whenever practicable.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper:—

G.O., dated 1st April 1884, Mis. No. 845, Judicial.

Read—the following letter from the Inspector-General of Police, dated 17th March 1884, No. 1351 :—

With reference to G.O., No. 494 W., dated 24th ultimo, I have the honor to represent that, as the expediency of keeping this department regularly informed with respect to the expenditure of its building funds has been fully recognised by Government, *vide* their orders, Nos. 2832, of the 5th September 1866, and 3083, of the 26th idem, I did not consider it incumbent upon me to consult the Chief Engineer before directing Superintendents of Police to endeavour to secure the despatch of what is in fact a duly authorised return, but the submission of which, for some reason unknown to me, has been suffered to fall into abeyance by the department whose function it is to furnish it.

2. I respectfully submit that my memorandum does not admit of the construction assigned to it in paragraph 3 of the order under reply; and, as the utility of the measure has long ago been discussed and accepted, I will confine myself to remarking that a return which it has been held that every Local Fund Board is entitled to receive may, without interference with the administrative control of the Public Works Department, be asked for with at least equal propriety by the Inspector-General of Police.

3. The rendering of the information which I solicit is essential to the efficient administration of a large portion of our building funds, and to withhold it is to leave me nearly altogether in the dark as to the progress of some of the most important operations in the budget. I beg, therefore, that His Excellency the Governor in Council will be pleased to accord the subject the benefit of his reconsideration, and I trust that he may see fit to ratify the Government orders to which I have invited attention.

Order—dated 1st April 1884, Mis. No. 845, Judicial.

This letter will be forwarded to the Public Works Department for consideration and remarks.

(True Extract.)

(Signed) M. HAMMICK,
Acting Assistant Secretary.

Order—dated 25th April 1884, No. 1055 W., Public Works.

The Government are not prepared to modify the orders already passed in their proceedings, No. 494 W., dated 22nd February 1884, and do not consider it necessary that the Inspector-General of Police should be furnished with progress reports of works under execution by the Public Works Department.

2. The orders of 1866, quoted by the Inspector-General of Police, are no longer in force, having been rescinded by the provisions of the Public Works Code.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Inspector-General of Police.
" Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 25th.

Recd. *Encl.*

G.O., 25th April 1884, No. 1055 W.

APRIL.

Police Works

Declining to modify previous orders refusing to direct that progress reports be furnished to the Inspector-General of Police of — under execution by the Public Works Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from R. B. BUCKLEY, Esq., Officiating Under Secretary to the Government of India, Public Works Department (Civil Works—Miscellaneous), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 16th April 1884, No. 153 M.:—

I am directed to acknowledge the receipt of your letter, No. 431 W., of the 16th February 1884, on the subject of the restoration and completion of the Madras Harbour; and, in reply, to communicate the sanction of the Government of India to the collection and deposit of rubble stone, which is estimated by Mr. Thorowgood to cost about Rs. 1,25,000. The expenditure now authorised must be met from the sum of Rs. 1,79,900 advanced by the Government of India for expenditure in connection with the Harbour Works during the year 1884-85, *vide* Public Works Department resolution, No. 104 A.G., dated 14th March 1884. I am to impress upon the Madras Government the imperative necessity of confining expenditure within this sum.

2. Orders on the remaining points touched upon in your letter under reference will form the subject of a further communication, which will be addressed to you hereafter.

Order—dated 25th April 1884, No. 1056 W., Public Works.

Communicated to the Superintendent, Madras Harbour Works, for information and guidance, with reference to Proceedings of Government, No. 430 W., dated 16th February 1884.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintendent, Madras Harbour Works.
,, Examiner, Public Works Accounts.
,, Marine Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated April, 25 th.

Recd. *Encl.*

G.O., 25th April 1884, No. 1056 W.

APRIL.

Madras Harbour

Letter from the Government of India authorising an expenditure of Rs. 1,25,000 *in the collection and deposit of rubble in connection with the restoration and completion of the —,* communicated to the Superintendent, Madras Harbour Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 5th January 1884, No. 6 W.

1 Statement of proposed changes.
1 Proposal for re-arrangement.
1 List of sanctioned and existing establishment.
2 Sketch maps.
2 Statements of expenditure.

With reference to G.O., No. 3291 W., of 17th November 1883, I have the honor to propose a change in regard to three of the divisions of this circle, with a view to the equalisation of work and expenditure in Coimbatore and Salem, and the better supervision of works on the West Coast and North-West Wynaad.

2. The Coimbatore division now includes three districts—Coimbatore, Malabar and South Canara—divided into five sub-divisions, viz. :—

1. Coimbatore.	4. Cannanore.
2. Eróde.	5. Mangalore.
3. Calicut.	

The Salem division is not sub-divided, but is supervised by the Executive Engineer with the aid of an attached officer.

Again, the north-west portion of Wynaad, *i.e.*, that part of Wynaad which belongs to the Malabar district, is nominally attached to the Nílgiri division; but owing to want of establishment and the difficulty of reaching it from Ootacamund, the Executive Engineer has been practically helpless for carrying out any work there. Moreover, owing to the unwieldy size of the present Coimbatore division, as it now stands, combined with the difficulties of travelling in West Coast districts, it is impossible for the Executive Engineer to visit the works in progress on the West Coast as often as is desirable.

3. My proposal is to form a new division, to be called the West Coast division, with head-quarters at Calicut, and to comprise the two districts of South Canara and Malabar with North-West Wynaad, and to do this by transferring the present Executive Engineer of Salem and his office establishment to Calicut, making Salem a sub-division of the Coimbatore division, and moving an Assistant Engineer from the present Coimbatore division to Salem.

4. According to the sanctioned scale of establishment, Coimbatore is entitled to three Assistant Engineers, and Salem has none; under the proposed arrangement Coimbatore with Salem would be allowed two Assistants, and the West Coast one.

5. I send, herewith, sketch maps and statements of expenditure, which, I hope, will make my proposal and the expediency of it perfectly clear. The maps show the unwieldy size of the present Coimbatore division, and that my proposal is to form two divisions of pretty nearly the same size; while from having a railway running through them, the officer stationed at Coimbatore could readily reach any part of Salem.

The statements show that the average outlay per annum in the present Coimbatore division has been Rs. 3,18,718 and the cost of establishment about 22 per cent.; while

in Salem there has been an average outlay of Rs. 85,714 only and establishment has cost about 31 per cent.

6. By the change I propose the outlay of the two divisions would be nearly equalised, and the cost of establishment become about 25 per cent.

This no doubt is a high percentage, but the great areas over which the works are scattered have to be considered; and at the present moment works at Kalpathi and Manantoddy have to stand over for the want of a subordinate to superintend them.

7. The only increase in cost of establishment I think indispensable to make the new arrangement fairly effective is that the new West Coast division should be allowed the establishment of a first-class division. It will be remembered that, when Calicut was formerly the head-quarters of a division, there were great difficulties with the office establishment, and as a consequence all the office work fell into arrears and confusion. Not only is living and carriage expensive at Calicut, but most of our office servants dislike the West Coast; and frequent changes are highly detrimental to efficiency.

I would propose to overcome the old difficulties by giving a first-class establishment, and by a special selection of the men to be sent there.

8. I propose making Calicut the head-quarters of the new West Coast division instead of Cannanore or Mangalore—(1) because it is easily reached from Coimbatore, and it is desirable that the division office should be readily accessible at all times from the circle office; (2) because there is now a Government building at Calicut which was built for a division office; and (3) because it is the head-quarters of a district, and a convenient point of departure for the Wynaad, Malapuram, Trichúr, Cochin and Quilon.

9. There are troops stationed at no less than six places in the proposed new division, viz.:—

1. Quilon.	4. Calicut.
2. Trichúr.	5. Cannanore, and
3. Malapuram.	6. Mangalore.

The expenditure in 1883-84 in the West Coast sub-divisions on military works and repairs will be Rs. 92,235; or about 38 per cent. of the total expenditure in those sub-divisions, which is Rs. 2,40,278.

It would therefore be convenient that the divisional officer should be a Royal Engineer; and in any case it is desirable that the frequent changes of officers that formerly occurred should be avoided as far as possible. To this end I venture to suggest that, if practicable, an officer who has lately returned from furlough should be given the post and expected to remain there three years at least, if his health remains good.

10. The only arrangement I have to suggest is that Mr. Bell should have the new temporary Barur division *including the Hosúr and Krishnagiri taluks*, and that Captain Boddy, R.E., shortly expected from England, should go to Calicut. In that case there would be no difficulty in making the change of divisions at once; but if Mr. Bell is to be moved to Calicut I think it better the change should take place from 1st May.

P.S.—This letter is accompanied by lists showing the sanctioned, existing and proposed scales of establishment as regards assistants and upper subordinates.

From the same officer, dated Coimbatore, 8th January 1884, No. 10 W.

I have the honor to submit a revised statement showing proposed changes of establishment in place of the one which accompanied my letter, No. 6 W., of 5th instant.

2. The *temporary* establishment sanctioned for the Coimbatore division would eventually have to be made permanent, should the present arrangement of divisions be left undisturbed.

3. Consequently, the redistribution of establishment proposed in my letter under reference would cause a net saving of Rs. 27½ instead of an increase.

Revised Statement showing the proposed Changes in the Establishment of the IV Circle.

Present Scale.			Proposed Scale.			Increase.		Decrease.		Grounds of Proposition.	Remarks.
Number.	Designation.	Amount of Pay.	Number.	Designation.	Amount of Pay.	Number.	Amount of Pay.	Number.	Amount of Pay.		
	Salem Division, 3rd Class.	RS.		*New West Coast Division, 1st Class.*	RS.		RS.		RS.		
1	Head clerk, 3rd class, 3rd grade	55	1	Head clerk, 3rd class, 2nd grade	70						
1	Clerk, 4th class, 2nd grade	35	1	Clerk, 4th class, 1st grade	45						
2	Clerks, do. 3rd do.	50	1	Do. do. 2nd do.	35						
1	Draftsman, 2nd class	42½	2	Clerks, do. 3rd do.	50						
1	Do. 3rd do.	25	1	Draftsman, 1st class	60						
1	Storekeeper	15	1	Do. 3rd do.	25						
1	Accountant	..	1	Storekeeper	25						
1	Executive Engineer	..	1	Accountant	..						
5	Upper subordinates	..	1	Executive Engineer	..						
			1	Assistant Engineer	..						
			7	Upper Subordinates	..						
14		222½	18		310	4	87½	..	..	..	Net savings Rs. 27½.
	Coimbatore Division, 1st Class.			*New Coimbatore Division, 1st Class.*							
1	Head clerk, 3rd class, 2nd grade	70	1	Head clerk, 3rd class, 2nd grade	70						
1	Clerk, 4th class, 1st grade..	45	1	Clerk, 4th class, 1st grade	45						
1	Do. 4th do. 2nd do.	35	1	Do. do. 2nd do.	35						
2	Clerks, 4th do. 3rd do.	50	2	Clerks do. 3rd do.	50						
1	Draftsman, 1st class	60	1	Draftsman, 1st class	60						
1	Do. 3rd do.	25	1	Do. 3rd do.	25						
1	Storekeeper	30	1	Storekeeper	25						
1	Accountant	..	1	Accountant	..						
1	Executive Engineer	..	1	Executive Engineer	..						
3	Assistant Engineers	..	2	Assistant Engineers	..						
12	Upper subordinates	..	10	Upper subordinates	..						
	Temporary Establishment sanctioned in G.O., Nos. 1401 W. and 2108 W., dated respectively 12th May and 1st August 1883.										
1	Clerk	30		Total ..	310	4	87½	7	115		
2	Clerks at Rs. 15 each	30		Deduct increase ..	..	..	..	4	87½		
1	Draftsman, 1st class	50									
29		425	22	Net Decrease ..	..	..	..	..	27½		

8th January 1884.

(Signed) J. BEATTY, Colonel, R.E.,
Superintending Engineer, IV Circle.

From the same officer, dated Coimbatore, 24th March 1884, No. 167-E.W.

I have the honor to inform you that if no change is to take place in the limits of Coimbatore division, the continued employment of the clerks sanctioned in G.O., No. 2108 W., of 1st August 1883, will be needed in 1884-85 to enable the Executive Engineer to carry on the heavy office work of the division. This extra establishment is needed to assist the permanent establishment.

2. I have therefore the honor to request sanction as follow :—

	RS.
2 Clerks on Rs. 20 each	40
2 Do. on ,, 15 do.	30
	70
For one year...	840

ORDER—dated 28th April 1884, No. 1058 W., Public Works.

In the letters recorded above the Superintending Engineer, IV Circle, proposes a re-arrangement of divisions in order to facilitate executive duty and to distribute more equitably the cost of working.

2. Under existing arrangements, the circle comprises the following divisions :—

Nílgiris.	North Arcot.
Coimbatore.	B Project.
Salem.	Barur (Temporary.)

3. It is now proposed to reconstitute a West Coast division, with head-quarters at Calicut, and to transfer to it the Executive Engineer of Salem with his establishment, the present Salem division being worked as a sub-division of the Coimbatore division.

4. Including the temporary office establishment now employed in the Coimbatore division, the new arrangements will result in a net saving of Rs. $27\frac{1}{2}$ per mensem, as shown in the statement which accompanies the Superintending Engineer's letter, No. 10 W., dated 8th January 1884.

5. For the reasons advanced by the Superintending Engineer, His Excellency the Governor in Council sanctions the changes, from such date as they can be conveniently carried out.

6. The proposal of the Superintending Engineer to post a Royal Engineer officer for charge of the new West Coast division will be kept in view. Captain Boddy has already been posted to the Barur Project division.

7. The sanction to the revised scale of office establishment accorded in these proceedings has been registered as Provincial No. 6 W. of 1884-85, and classified as Establishment, Permanent.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Examiner, Public Works Accounts.
,, Superintending Engineer, IV Circle.
,, Revenue Department.
,, Military Department.
,, Financial Department.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 28th.

Recd. *Encl.*

G.O., 28th April 1884, No. 1058 W.

APRIL.

Executive Divisions in the IV Circle

Sanctioning, with remarks, a re-arrangement of the —

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

No. 26 T.J.

Note by the Superintending Engineer on supplemental estimate for metalling road No. 9 from Gandharvakóta to road No. 1, Rs. 9,350.

1 Comparative statement.
1 Specification.
1 Extract from Local Fund Board's proceedings.
2 Local Fund Engineer's letters.

The estimate is for metalling nearly 7 miles of road No. 9 from Gandharvakóta to road No. 1. The original estimate, for Rs. 7,400, was sanctioned in G.O., No. 694 W., dated 3rd March 1883.

2. The original estimate, prepared by the Local Fund Engineer, was for Rs. 9,350; but, in forwarding it, the Superintending Engineer, in his endorsement, No. 2177 T.J., dated 26th February 1883, pointed out that, in his opinion, the rate for collection and cartage was too low to allow the work to be carried out according to specification but that the rate, 4 annas a cubic yard, for spreading, watering and tamping was excessive, and recommended that one anna only should be allowed and the estimate reduced from Rs. 9,350 to Rs. 7,400, which was done, and sanction given for Rs. 7,400 only. The Local Fund Engineer has forwarded, through the President and Local Fund Board, two letters (enclosed) giving his reasons for the high rate of 4 annas a cubic yard, but it is only now that he has forwarded a specification of the style of work he proposes to be carried out; he also points out the difficulty in obtaining water.

3. If the work is to be carried out according to the specification now sent, the Superintending Engineer considers that 4 annas a cubic yard or (14 annas $9\frac{7}{9}$ pies a hundred cubic feet) is not too high a rate, but he has to point out that this is a style of work that has not hitherto been done in the district except in the first-class laterite roads made in the delta, where the collection and cartage of the laterite costs so much, and even these roads were not rolled with a new pattern roller 3 feet in width and weighing 16 cwt. passed 22 times on the road as proposed by the Local Fund Engineer in his specification now forwarded.

4. With the explanation now given of the difficulty of getting water, &c., the Superintending Engineer considers that the rate allowed by him, one anna a cubic yard for the ordinary road work as carried on in Tanjore outside the delta, although ample for work as ordinarily carried out in most places, was less than it should be, and would recommend, if the work is to be done in the ordinary manner, that it be raised to 2 annas a cubic yard (or, say, $7\frac{1}{2}$ annas a hundred cubic feet) and sanction be given for Rs. 8,370, or Rs. 970 in excess of the former sanction. Should, however, the work be done according to the specification forwarded by the Local Fund Engineer, sanction should be given for Rs. 9,350, or Rs. 1,940 additional to the amount sanctioned.

KODAIKANAL,
4th April 1884.

(Signed) H. R. MEAD, Lieut.-Colonel, R.E.,
Superintending Engineer, VI Circle.

ORDER—dated 28th April 1884, No. 1061 W., Public Works.

The revised estimate, amounting to Rs. 9,350, for metalling road No. 9 from Gandharvakóta to road No. 1, in the Tanjore district, is sanctioned.

2. The excess of Rs. 1,950 over the original estimate of Rs. 7,400, sanctioned in G.O., No. 694 W., dated 3rd March 1883, is explained in the Superintending Engineer's report above recorded.

3. This sanction has been registered as Local No. 4 W. of 1884-85, and cancels Local No. 44 W. of 1882-83.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Board of Revenue, with six enclosures.
" Superintending Engineer, VI Circle.
" Financial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated April, 28th.

Recd. *Encl.*

G.O., 28th April 1884, No. 1061 W.

APRIL.

Road

Sanctioning the revised estimate of Rs. 9,350 *for metalling the* — No. 9 from Gandharvakóta to road No. 1, in the Tanjore district.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following letter from D. C. GORDON, Esq., Examiner of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 19th April 1884, No. 11 W.:—

I have the honor to submit, for information and orders of Government, notes by Mr. Rainier, Deputy Examiner, of his inspection of the office of the Cauvery and Vennár Regulators division.

Paragraphs 6 *and* 7.—The Superintending Engineer's attention is invited to these remarks and to the procedure advocated in paragraph 6 of his letter printed with G.O., No. 3369 W., of 23rd November 1883. Only so much money should be given to the shroff as is represented by muster rolls, bills, &c., checked and passed for payment under Executive Engineer's initials. Of course, it would be advantageous if the man could commence payments early in the day, so as to be able to have the transactions entered up the same day in the divisional cash-book.

Paragraphs 9 *and* 10.—These remarks affect primarily the officers directly in charge of the works, and the Superintending Engineer will have an opportunity of stating whether what is understood to have been his wishes has been properly put in force. The manner in which the labor is distributed to works and to sub-heads of works is for the Executive Engineer to scrutinise from time to time. It is absolutely necessary that the allocation should be clearly shown so that the accountant may know how to prepare the work abstract. This applies equally to the allocation of materials used, and of materials brought to site for subsequent use on sub-heads. If the officers in direct charge of the operations do not attend to the proper record of receipt and issue of materials or stock, and hold themselves responsible only for what they personally purchase, the preparation of work abstracts by the divisional office will be quite impossible. The accountant has to be furnished with proper data for his accounts and unless the Executive Engineer sees that he gets this information, work must be delayed and the accounts confused.

Paragraph 11.—Here again the accountant is at the mercy of the sub-divisional officers. It is imperative that the initial accounts should be properly rendered.

2. There is a slight improvement in the accounts work of the division but very much indeed yet remains to be effected before the office can be pronounced even in tolerably good order.

Enclosure.

Notes of inspection by H. RAINIER, Esq., Deputy Examiner of Public Works Accounts, Madras, of the office of the Executive Engineer, Cauvery and Vennár Regulators division, on the 5th April 1884.

Mr. C. J. Peters, the Executive Engineer, and the accountant, P. Vencataroyalu Iyer, were present.

2. This division was last inspected by an Accounts officer on the 13th October 1883, *vide* papers printed with G.O., No. 3071 W., of 30th idem.

3. The cash arrangements and cash accounts have undergone complete change, and are now likely to work satisfactorily. There is no fixed standing imprest, and the Executive Engineer expresses his intention to avoid temporary imprests as much as possible, though they must be sometimes necessary.

4. Cash payments are restricted to the narrowest limit, it is said, cheque payment being made whenever possible; such payments to contractors are, the Executive Engineer was understood to say, invariably paid by him personally.

5. The *cash-book* is now well kept by the head clerk, who acts as cashier, having as his assistant cashier or pay clerk, a shroff, who has deposited Rs. 250 security (see G.O., No. 3369 W., of 23rd November 1883).

6. This shroff has large labor payments to make, sometimes amounting to three or four thousand rupees. The money is handed over to him with the nominal muster rolls, and what money he cannot pay that day he keeps himself overnight in a cash chest provided him, and pays the next day, the cash-book recording the payment to him as though it were an imprest. This is well; but there is a tendency to pay the shroff large sums like this, *on general account*, keeping him in funds for all his payments, immediate and possible; this should at once be checked.

7. All cash should be kept, as far as possible, by the cashier (head clerk) and the shroff's cash receipts from the cashier should always be for certain specific payments which are likely to be made the same day. Of course, the shroff would always have a list of such payments and there is no objection to his keeping, for his own information, a rough cash-book; but there must be no running account of cash between him and the cashier (for whom he is intended as a mere paying machine) in respect of labor payments. Moreover, he will have to make payments and account for same smartly, and he should, as a rule, receive no money for payment after a certain hour in the day. The cashier also makes cash payments, all such are apparently pre-ordered in writing by the Executive Engineer, in due course, and vouchers seemed in order.

8. The balance of the Executive Engineer's drawing account on the 29th February 1884 was, so far as was possible in the absence of the *pass-book*, proved correct. The *pass-book* should have been present, this will be arranged in future. The current cheque book was in order. Used cheque books have to be kept twenty years, and should be carefully deposited in the safe in the cashier's custody.

9. The *works accounts* require some notice. The *nominal muster rolls* of labor as (at the Superintending Engineer's special request) now about to be used, will show the names (and attendance) of laborers, collected in separate rolls *according to the locality in which they reside.* This is considered by the Executive Engineer to be more convenient than the usual way of separating the rolls, according to the work (and gang of labor) on which the men are employed. It may be doubted whether the change is a good one, and it may be predicted that identification of individuals for payment according to the work done by each, will now need the presence sometimes of two or three subordinates, where one sufficed before; also that the payment of labor will occupy more of the shroff's time than it would under the regular system, but the area of the entire project is small, and the Superintending Engineer's wishes have been acceded to on the understanding that the accountant is given the full means of allocating labor, and especially the arrears of wages. All these *nominal rolls* as well as the *ten-day reports* as regards labor (time) should, however, be posted daily, and should be available, on future inspection of the office, for perusal, for the very day current. They should also be rendered punctually every ten days to the Executive Engineer's office. The Executive Engineer understands the importance of sharp control over labor, where there is so much of it.

10. The *materials* accounts (daily report of materials) in *ten-day reports* are not maintained, and this requires immediate action, which was promised. At present, *work abstracts* are not posted as regards materials from the *ten-day reports* at all, but from hearsay, or from some transactions in materials discovered in the *cash-book*, or from the *adjustment book*. All materials, receipts and issues should be so plainly concentrated in the *ten-day report*, being posted day by day as the transactions occur (just as the *cash-book* is posted), that part iv of the *work abstract* can at once be written up in the Executive Engineer's office immediately the *ten-day report* is received there, just as in other respects (final charges to work) part i should also be written up. Unless and until this is done, the Executive Engineer will find nothing of value in the *work abstract*, for it will be, as it is now, empty till the following month, when it is gradually filled with incoherent, and unintelligible entries, many of which are afterwards altered. All this was explained at the last inspection. The *work abstracts* are not borne out by the initial accounts as regards materials, nor do the entries in the *register of works* quite correspond with what is computed in the *work abstract*. Thus there is confusion, but this will, it was assured me, be quickly altered. The necessary steps were again carefully explained by me, and the Executive Engineer's orders to the accountant in the matter in my presence were no doubt followed by equally strict orders to the subordinate executive; there should then be no difficulty and there will be prompt regularisation, it is hoped, not only of the materials accounts of works, but also of the *stock* accounts and especially *manufactures*.

11. The *monthly abstract of stock receipts and issues* is now arrived at in the same irregular way, as in the case of materials, without there having been kept up any *daily register of receipts and issues*. Stock receipts arrived at merely from the cash-book payments fulfil no useful purpose, of course, nor does it meet the requirements of accounting for stock issues, to accept at the end of the month a list of things which the supervisor admits having received; there will now be a

daily account of receipts and issues of *stock*, and a ditto of *tools and plant*, posted as the transactions occur, and supported by proper vouchers (*vide* paragraph I of instructions on form M 9). Stock transactions with works should appear in the *work abstracts* of the works. The outlay and outturn in respect of *manufactures* should be clearly shewn on the *ten-day reports* of the manufacture account and be at once entered in the *work abstract*, quantities being stated, the value of outturn being adjusted monthly. The circumstances are such that each manufacture account should be on a separate *work abstract*. Under code paragraph 2,141, the Superintending Engineer's sanction is necessary to each *manufacture* estimate and this will now be applied for.

12. The outlay to date on *tools and plant* is Rs. 21,000. An estimate containing this and all other similar outlay contemplated has been sent up for sanction. The tools and plant are all, it was said, in serviceable order, and of good value. The same was stated as regards *stock*, the rates of which are apparently fair.

13. In the contractors' accounts, Rs. 100 is still due to one Ramalinga Pillay (since March 1883) because though repeatedly invited, he will not turn up for settlement. The matter should be reported to the Superintending Engineer for orders. Rs. 98-8-0 is due to Mohideen Saib since July 1883, he having deserted his contract. This is now being disposed of. The contractors' accounts are tolerably kept. A *divisional rate book* is about to be started.

14. Revised estimates for the Cauvery and Vennár head-sluices are under preparation.

15. The accountant is sufficiently assisted.

Order—dated 28th April 1884, No. 1062 W., Public Works.

Communicated to the Superintending Engineer, VI Circle, who will direct the attention of the Executive Engineer, Cauvery and Vennár Regulators division, to the remarks and suggestions of the inspecting officer and of the Examiner, Public Works Accounts.

2. Special attention is drawn to the concluding paragraph of the Examiner's letter. The Executive Engineer must take prompt and decided steps to place on a satisfactory footing that part of the accounts work of his division which relates to the receipts and issues of stock and of tools and plant, and to insure the accurate and systematic registration of all such transactions in accordance with rule.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle.
„ Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 28th.

Recd. *Encl.*

G.O., 28th April 1884, No. 1062 W.

APRIL.

Inspection

Passing orders on the notes of — on the Cauvery and Vennár Regulators division office, submitted by the Examiner, Public Works Accounts.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following letter from D. C. Gordon, Esq., Examiner of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 19th April 1884, No. 12 W. :—

I have the honor to submit, for information and orders of Government, notes by Mr. Rainier, Deputy Examiner, of his inspection of the office of the Tank Maintenance division at Madura.

2. The points noticed in paragraph 3 have no doubt already been explained to Government by the Superintending Engineer.

3. Very little has as yet been done in the way of expenditure, so the accounts have been trifling. Attention is, however, necessary to the points brought forward in paragraphs 7, 9 and 11.

Enclosure.

Notes of inspection by H. Rainier, Esq., Deputy Examiner of Public Works Accounts, Madras, of the office of the Executive Engineer, No. I Tank division, Madura, on the 8th April 1884.

This division was constituted first in June 1883; till September 1883, the accounts work was done in the Examiner's office; in October 1883 the present accountant, S. V. Kristnasawmy Sastry, joined.

2. The Executive Engineer, Mr. Walnutt, who was present, has been in charge of the division since March 1884, when he relieved Mr. Target. This is the first inspection of the office by an Accounts officer.

3. The allotment in 1883-84, as per budget, was Rs. 10,000 for works in this division, but Rs. 22,000 was, in January 1884, added, to be again surrendered, however, in February and March 1884, so Rs. 10,000 has been the year's assignment, of which only about Rs. 4,000 has been spent.

4. There has been some misapprehension between the Executive Engineer and the Superintending Engineer as to whether the surrenders above mentioned would be accepted by Government, and whilst still in doubt on this point the Executive Engineer received the Superintending Engineer's orders to spend all he could find occasion to. Thus large letters of credit were applied for, and the result is that (the surrenders having been accepted) the final balance of the drawing account, Rs. 11,500, is greater than the total year's assignment, Rs. 10,000.

5. Of the four sub-divisions duly sanctioned in G.O., No. 798 W., of 25th March 1884, one only, the Periyakulam sub-division, is, as yet, at all busy.

6. It is proposed to carry out works departmentally and by piece-work, contractors being out of the question as the work is so petty and so scattered.

7. Work abstracts, which are being prepared now in sub-divisional office, will be in future taken up by the Executive Engineer's office, to save sub-divisional staff.

8. The divisional accountant has the requisite experience to maintain all work accounts satisfactorily, teaching the clerks in all essential respects, so that, as the work of the office grows, it will be met and disposed of with ease.

9. As regards the cash accounts the Executive Engineer's drawing account balance on 31st March 1884 was proved correct. The imprest accounts, cash-book and cash abstract book were found in order, except that in Mr. deClosets' imprest account certain miscellaneous receipts, which had no business there (code paragraph 2084) were, credited.

The cash chest, protection for which was said to be deficient in the office, is kept in the Executive Engineer's private house, both keys being with the Executive Engineer.

Pending the training of a clerk to keep the cash-book, the accountant does this.

10. Tools and plant outlay is in order.

11. There is an item of Rs. 100 in the miscellaneous advances, which represents a payment of that amount to the Superintending Engineer in October 1883 by the Presidency division by way of a standing imprest for contingent charges; whatever these (contingencies) charges are, they are no doubt regularly brought on to the Superintending Engineer's contingent bill for audit; meanwhile this Rs. 100 should appear on the miscellaneous advances schedule, not of this, but of the Presidency division, and should be transferred to that division.

12. There are sums standing against Mr. Target too, but these were stated to be under settlement this month (April 1884).

13. Besides the accountant there are four clerks in the office, all new to Public Works Department work, but learning fast, and the office may be regarded as promising well, everything which I have not noticed being in good order.

ORDER—dated 28th April 1884, No. 1065 W., Public Works.

Communicated to the Superintending Engineer, Tank Maintenance, for the information and guidance of the Executive Engineer, No. I Tank division.

(True Extract).

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, Tank Maintenance.
" Examiner, Public Works Accounts.
" Chief Engineer for Irrigation.

GENERAL.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 28th.

Recd. *Encl.*

G.O., 28th April 1884, No. 1065 W.

APRIL.

Inspection

The notes of — on the office of the Executive Engineer, Tank Division No. I, submitted by the Examiner of Public Works Accounts, communicated to the Superintending Engineer, Tank Scheme.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following letter from D. C. GORDON, Esq., Examiner of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 21st April 1884, No. 13 W. :—

I have the honor to forward, for the information and orders of Government, notes by Mr. Rainier, Deputy Examiner, of his inspection of the office of the South Arcot division.

2. It is satisfactory to find that in consequence of the administrative changes in the sub-divisional charges, there is a prospect of a better system and management of accounts from the sub-divisional officers, for the trouble that has hitherto been experienced in obtaining punctual and correct returns from this division arose, I believe, wholly from the difficulty of controlling sub-divisional offices and their over-worked staff, and from the impossibility of getting contract work done in some of the sub-divisions.

3. There is still much to be effected before the division can be considered in a satisfactory state in the matter of its accounts work, but from the report, there seems reason to hope for rapid improvement.

ENCLOSURE.

Notes of Inspection by H. RAINIER, Esq., Deputy Examiner of Public Works Accounts, Madras, of the Office of the Executive Engineer, South Arcot Division, on the 9th April 1884.

Major A. C. Smith, R.E., the Executive Engineer, and M. Chinniah, the Accountant, were present.

2. The last inspection by an accounts officer of this division was on the 9th and 10th October 1883, *vide* papers printed with G.O., No. 3076 W. of 31st October 1883.

3. There has been a very salutary redistribution of sub-divisional charges. At the time of last inspection Mr. Evans' charge extended over three large taluks, one of which, the Chidambaram taluk, contained several important works. The sub-division proved altogether impracticable, and is now confined to the Chidambaram taluk only.

4. It was in consequence of the scattered and unmanageable extent of this sub-division that the irregularities of subordinates in accounts matters was so uncontrollable, and delays in submission of accounts to the Examiner's office so frequent. Certain labor, amounting to Rs. 257 was, in this sub-division (maintenance works), unpaid for nearly five months, owing to the muster rolls having been bottled up by the Overseer. Payments to contractors have been made twice over, or on erroneous calculations of the work done, and other irregularities (all of which have been promptly dealt with by the Executive Engineer) in payments, have made the accounts of the sub-division both dilatory and inaccurate. A source of this difficulty in sub-divisional management is now, however, as already stated, removed, by a reduction of the sub-divisional area. Moreover the parties who contributed to such irregularity have left the division, (two have died) and I believe that the very unsatisfactory state of things which elicited the orders of Government on item 46 of the Provincial Statement of Objectionable Items for September 1883, are now at an end and will not recur.

5. The balance of the Executive Engineer's drawing account on 31st March 1884 was proved correct; the sub-divisional offices are, as a rule, examined by the Executive Engineer every six months; that of Tindivanam was last examined in September 1883, and will shortly be visited, the Executive Engineer said.

6. The cash accounts generally are in order and proper audit is maintained.

7. Work abstracts are prepared in the sub-divisional offices and come up to the Executive Engineer unaccompanied by the ten-day reports; where there are materials, part IV should invariably be signed by the sub-divisional officer, and it should be seen that the officer in charge of the work regularly admits possession of whatever materials are at site. The Chidambaram sub-divisional work abstracts for February were not received by the Executive Engineer at the date of inspection (9th April), which may, however, be regarded merely as a final remnant of the delays in that sub-division, past irregularities being not quite worked off yet.

8. Similarly in respect of the restoration of the Pelandorai anicut (finished in March 1883), a materials at site balance of Rs. 1,299 has been six months under correspondence, but will now be adjusted.

9. The register of works is in order. The late Sub-Engineer made an excess payment of Rs. 63 to a contractor in respect of reconstructing Kolapaddy supply channel, which is thought to be irrecoverable. This should be reported for orders, and adjusted as soon as possible.

10. Among balances due to and from petty contractors there are three of the former (Rs. 86) withheld for bad work, and of the latter there is Rs. 67-8-5 which was paid to Contractor Chidumbarai Pillai twice over, the recovery of which is looked upon as hopeless. This will also be reported for orders, and dealt with as explained at the inspection.

11. In the deposits schedule there are items aggregating Rs. 2,971 being seigniorage on firewood made over to contractors from time to time. It has been arranged that contractors will provide themselves in this respect for the future and there will be no further deposit of this kind, and the Accountant-General, Madras, will now be asked, in continuation of our endorsement, No. 1068 of 20th December 1883, to include the above amount in the exchange accounts with this department as soon as possible, so that this deposit account can be cleared.

12. The following completion reports are due to the Examiner's office:—

1881-82.

Repairing bund calingulah, reconstructing sluice and removing prickly-pear, &c.

1882-83.

Closing breaches and reconstructing fallen face of Ruthrashoram sluice.
Maintenance of Tiruvádi anicut.
Do. of Vanainadari anicut.
Do. of Tiverandipoora anicut.
Do. of Tirukoilúr anicut.
Closing breaches in the Porthoopoolum tank.

13. The accountant is sufficiently assisted. There is now no reason why accounts should be rendered late, and an alteration in this respect will be confidently expected.

ORDER—dated 28th April 1884, No. 1066 W., Public Works.

Communicated to the Superintending Engineer, V Circle, for the information and guidance of the Executive Engineer, South Arcot Division.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle.
" Examiner, Public Works Accounts.
" Chief Engineer for Irrigation.

GENERAL.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated April, 28th.

Recd. *Encl.*

G.O., 28th April 1884, No. 1066 W.

APRIL.

Inspection

The notes of — on the South Arcot Divisional office, submitted by the Examiner of Public Works Accounts, communicated to the Superintending Engineer, V Circle.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper :—

Proceedings of the Court of Wards, dated 25th March 1884, Mis. No. 2724.

Read—G.O., dated 22nd February 1884, Mis. No. 858, Revenue.

Resolution—dated 25th March 1884, Mis. No. 2724.

The appended statement A shows the amounts allotted for works in the 36 estates now under the Court of Wards in the present fasli 1293. These are principally irrigation works but include buildings and communications. Statement B shows the works under execution in the Ganjam district, and statements C and D, those in the Ramnad and Gandamanáyakanúr estates of the Madura district.

2. The Court maintains a permanent establishment in four estates only, viz. :—

	Annual Cost.
	RS.
Parlákimedi	18,298
Kangundi	450
Ramnad	5,982
Gandamanáyakanúr	1,692

3. In the other estates the works are executed by petty establishment and no details of the works are in the Court's office.

(True Extract.)

(Signed) G. MACKENZIE,
Acting Sub-Secretary.

ENCLOSURE.

A

STATEMENT showing the Allotments for Maramut Works to be carried out in the Estates under the Court's Management during Fasli 1293.

Districts.	Names of the Estates.	Allotments for Maramut Works including Establishment Charges for Fasli 1293 as per Budget.
		RS.
Ganjam	1. Parlákimedi	1,42,100
	2. Chinnakimedi	14,657
	3. Urlam	11,003
	4. Járada	2,823
Vizagapatam ...	5. Merangi	5,500
	6. Pondúr Mullavaram	225
	7. Mádugula	...
	8. Chidicada Jaganáthapuram	1,600
	9. Sripuram	3,100
	10. Chípurupalle	750
Godávari ...	11. Lakkavaram	3,865
	12. Kapileswarapuram and Kesanakurru	900
Cuddapah	13. Chittecherla	734
Chingleput	14. Soranjeri	1,100
North Arcot	15. Kangundi	18,024

Statement showing the Allotments for Maramut Works to be carried out in the Estates under the Court's Management during Fasli 1293—*cont.*

Districts.	Names of the Estates.	Allotments for Maramut Works including Establishment Charges for Fasli 1293 as per Budget.
		RS.
Tanjore	16. Ukkadai	550
	17. Velanganni	20
	18. Gandharvakóta	600
	19. Vadapatpimangalum	3,849
	20. Alúngudicheri	400
	21. Mathur	300
	22. Papanad	820
Trichinopoly ...	23. Nangaveram	700
	24. Peramur	...
Madura	25. Ramnad	56,512
	26. Do. Devastanam	30,300
	27. Do. Chuttrums, Durmamaymai	15,200
	28. Gandamanáyakanúr	26,900
	29. Vadagarai	1,350
Tinnevelly	30. M. Dalavoi Komarasami Moodeliar	1,350
Coimbatore	31. Paravipolayam	20
Salem	32. Erumaipatti	500
	33. Shuligiri	776
South Canara	34. B. Survathama Row	302
Malabar	35. Kavalpara	13,659
	36. Mangara	251
	Total ...	3,60,740

(Signed) G. MACKENZIE,
Acting Sub-Secretary.

Mis. No. 1456, Revenue.

Transferred to the Public Works Department, with reference to the order in that department, dated 13th February 1884, No. 387 W., paragraph 4.

FORT ST. GEORGE,
2nd April 1884.

(Signed) H. E. STOKES,
Secretary to Government.

ORDER—dated 28th April 1884, No. 1067 W., Public Works.

With their proceedings recorded above, the Court of Wards submit the information called for in paragraph 3 of G.O., No. 387 W., dated 13th February 1884, in respect to the works under their management.

2. The Court recommended, in their proceedings of the 14th January 1884, No. 96, that the estimates of all estate works should be scrutinised by officers of the Public Works Department, and that the works, on completion, should be examined and passed by them, the Superintending Engineer of the circle having a general control over all estate works within his charge. The actual execution of the works would, it is understood, still remain in the hands of the servants of the Court of Wards, subject only to the "general control" of the Superintending Engineer.

3. The responsibility under such an arrangement would, the Government consider, be somewhat divided. It would be simpler if the works were handed over entirely to the Public Works Department, and the engineering establishment of the Court of Wards placed under the orders of the Executive Engineer or other officer intrusted

with supervision. A contribution of 23 per cent. on outlay might be paid for full professional services, the pay of Court of Wards' subordinate establishments being, however, allowed as a deduction from this contribution. The Superintending Engineer would, under this arrangement, regulate the strength of the subordinate establishment in each case.

4. The Court of Wards will be requested, in the Revenue Department, to state whether they are prepared to accept these proposals.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Revenue Department, with six original statements.
To Superintending Engineers, } with copy of G.O., No. 387 W.,
To the Examiner, Public Works Accounts, } dated 13th February 1884.

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.
PUBLIC WORKS.

Dated April, 28th.

Recd. *Encl.*

G.O., 28th April 1884, No. 1067 W.

APRIL.

Estates under the Court of Wards

Suggesting, for the consideration of the Court, certain arrangements for the execution of works in —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from the Venerable J. F. BROWNE, Archdeacon of Madras, to the Chief Secretary to Government, dated Madras, 18th April 1884, No 18:—

I have the honor to request that Government will be pleased to sanction the sum of Rs. 10, being the cost of six wall-shades purchased in November last by the Reverend J. Guest for the use of the church at Poonamallee.

No. 887, Ecclesiastical.

Transferred to the Public Works Department for disposal.

OOTACAMUND,
23rd April 1884.

(Signed) E. F. WEBSTER,
Chief Secretary.

ORDER—dated 29th April 1884, No. 1069 W., Public Works.

The Superintending Engineer, V Circle, will authorise the disbursement of the amount, if the charge be admissible with reference to paragraph 1262 of the Public Works Code.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle.
„ Examiner, Public Works Accounts.
„ Ecclesiastical Department.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated April, 29th.

Recd. *Encl.*

G.O., 29th April 1884, No. 1069 W.

APRIL.

Church at Poonamallee

Superintending Engineer, V Circle, to authorise the disbursement of the cost of wall-shades purchased for the — if the charge be admissible with reference to paragraph 1262 of the Public Works Code.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

TABULAR STATEMENT OF MISCELLANEOUS PROCEEDINGS AND MATTERS OF ROUTINE,

BUILDINGS AND ROADS,

FOR THE MONTH OF APRIL 1884.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Budget Estimates of Provincial and Local Funds for 1884-85.—Letter from the Government of India giving certain directions for the preparation of —, recorded.	1st April 1884, No. 881 W.	......
Mangalore Harbour.—Letter from the Master Attendant, Madras, requesting to suspend operations in the — till the effects of the next south-west monsoon are known, communicated to the Superintending Engineer, IV Circle.	1st do. do. No. 884 W.	21st Jan. 1884, No. 152 C. 12th Feb. 1884, No. 326 C.
Quarters for Warrant and Non-Commissioned Officers of the Commissariat Department at Madras.—Regarding the construction of —.	1st do. do. No. 885 W.	......
Confidential Correspondence.—Proceedings, Public Department, circulating to all heads of departments for information and guidance extract from the rules for the treatment of —, communicated to the officers of the Public Works Department.	1st do. do. No. 886 W.	......
Mr. R. Wallnutt considered as having been attached to the Office of the Superintending Engineer, Tank Maintenance Scheme, until the date of his departure for Madura.	1st do. do. No. 887 W.	12th Mar. 1884, No. 668 W.
Coal.—The General Superintendent, Public Works Stores, authorised to lay in a stock of 70 tons of — for the general purposes of the department.	1st do. do. No. 888 W.	......
Allowances to Lascars.—The Examiner, Public Works Accounts, authorised to admit the claims advanced by the Superintending Engineer, I Circle, on behalf of the lascars who accompanied him on his last tour of inspection.	1st do. do. No. 889 W.	......
Temporary Draftsman in the Tinnevelly Division.—The sanction given in G.O., No. 1246 W., dated 26th April 1883, for the employment of a —, extended to the end of 1884-85.	1st do. do. No. 890 W.	19th June 1882, No. 1526 W. 13th Oct. 1882, No. 812 I. 26th April 1883, No. 1246 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Quarters for the Jailor at Berhampore.—Sanctioning the construction of the — from 1st April.	1st April 1884, No. 891 W.	11th Aug. 1883, No. 2233 W. 16th Feb. 1884, No. 417 W.
Mr. C. J. Ussher, Assistant Engineer.—Three months' privilege leave granted to —.	1st do. do. No. 892 W.	......
Sub-Collector's Bungalow at Tuticorin.—Proceedings, Revenue Department directing the conversion of the — into an office for the divisional officer and the Assistant Superintendent of Police, communicated to the Superintending Engineer, VI Circle.	1st do. do. No. 893 W.	20th Mar. 1884, No. 671 C.
Budget Estimates of the Public Works Department.—Letter from the Government of India requesting to be furnished with 35 copies of the final issues of the —, recorded with remarks.	1st do. do. No. 894 W.	......
Cruz Milagre Dam.—Regarding the cost of maintenance of the — being debited to Port Funds.	2nd do. do. No. 903 W.	4th Dec. 1883, No. 3477 W. 17th Mar. 1884, No. 725 W.
Mr. J. C. Campbell, Civil Engineering College.—Proceedings, Educational Department, regarding the recovery of the value of tools lost by —, recorded.	2nd do. do. No. 904 W.	14th Mar. 1884, No. 690 W.
Return of Grants, &c., of the Public Works Department, on the 20th March 1884, recorded.	2nd do. do. No. 905 W.	1st Mar. 1884, No. 562 W.
Ophthalmic Hospital, Madras.—Stating that an allotment of Rs. 20,000 will be made in April 1884, for the — and authorising the Consulting Architect to make the arrangements proposed to facilitate future work.	2nd do. do. No. 907 W.	14th Mar. 1884, No. 693 W.
Establishment of the Gas Works, Fort St. George.—Proceedings, Military Department, directing the discharge of the — from the date of transfer of the plant, &c., to the Public Works Department and referring the Superintendent of the Works to the Controller of Military Accounts for information in regard to the compensation admissible to each man on the establishment, communicated to Superintending Engineer, V Circle.	3rd do. do. No. 909 W.	......
Imperial Petty Establishment.—Proceedings, Pension Department, regarding — being entitled to pay in lieu of notice.	3rd do. do. No. 910 W.	......
Blast fan to supply the forges in the Smith's shop, Presidency Public Works Workshops.—Sanctioning the purchase from Messrs. Pestonjee D. Bengalli of Bombay of a —.	3rd do. do. No. 911 W.	......
British Museum.—Regarding the supply of books from Bengal, Madras and Bombay to the — through Messrs. Thacker, Spink and Company, Calcutta.	3rd do. do. No. 912 W.	8th Oct. 1883, No. 2814 W. 1st Feb. 1884, No. 276 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Statement showing the estimated outlay against indents received in England up to end of January 1884 *for stores for the Public Works and Telegraph Departments.*—Letter from the Government of India forwarding copy of a —, communicated to officers concerned.	3rd April 1884, No. 915 W.	......
Karnaswara Pagoda at Saidápet.—Petition from the Dharmakartas of the — requesting to raise the telegraph wires crossing the streets adjacent to the pagoda, recorded.	3rd do. do. No. 918 W.	28th Mar. 1884, No. 848 W.
Improvements to the Port at Negapatam.—Letter from the Superintending Engineer, VI Circle, forwarding copy of letter from the Master Attendant declining to give an opinion on the estimates for — for certain reasons, recorded.	3rd do. do. No. 919 W.	22nd Dec. 1883, No. 3689 W.
Charges incurred by Colonel J. Mullins, R.E., Chief Engineer on special duty.—Authorizing the Exminer, Public Works Accounts, to pass, subject to the usual audit, certain —.	4th do. do. No. 923 W.	10th Jan. 1884, No. 71 W.
Unanswered Reference List.—Forwarding to the Under Secretary of State for India an — of despatches received from the Secretary of State for the quarter ending 31st March 1884.	4th do. do. No. 925 W.	10th Jan. 1884, No. 64 W.
Objectionable Items Statement, Local, VI Circle, for December 1883.—Certain remarks by the Examiner, Public Works Accounts, as regards item No. 2 of the —, communicated to the Superintending Engineer, VI Circle.	4th do. do. No. 926 W.	......
Epigraphist to the Bombay Government.—Proceedings, Public Department, communicating, with instructions, Resolution of the Government of India regarding the appointment of Mr. J. F. Fleet of the Bombay Civil Service, as —, communicated to the officers of the Public Works Department.	4th do. do. No. 927 W.	......
Mr. A. M. Hayes, Assistant Engineer.—Sanctioning Presidency allowance and house-rent from 12th to 26th March 1884 to —.	4th do. do. No. 928 W.	......
Memorials.—Quarterly list of — addressed to the Home Government and withheld by the Government of Madras for the first quarter of 1884, forwarded to the Government of India.	4th do. do. No. 929 W.	10th Jan. 1884, No. 65 W.
Executive Engineer, Nilgiri Division.—Proceedings, Financial Department, directing that the Government of India be addressed requesting that the — may be placed on the same footing as the Executive Engineer, Simla Imperial Circle his name being added to schedule E (2) of the Civil Travelling Allowance Code with an allowance of Rs. 60 monthly, recorded.	4th do. do. No. 930 W.	4th April 1884, No. 603 C. 14th Jan. 1884, No. 98 C. 14th Jan. 1884, No. 98 W. 4th Sept. 1883, No. 2475 W. 24th Aug. 1883, No. 2384 W. 4th Sept, 1883, No. 2476 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		continued. 1st Aug. 1883, No. 2104 W. 22nd June 1883, No. 1749 W. 16th July 1883, Nos. 1975-76 W. 18th June 1883, No. 166 E. 31st May 1883, No. 1522 W. 24th April 1883, Nos. 1220-21 W.
Factories.—Official memorandum, Judicial Department, calling for the early submission of the report on — prescribed in G.O., No. 329, Judicial Department, dated 9th February 1883, communicated to the Consulting Engineer for Railways for early attention.	4th April 1884, No. 931 W.	26th Jan. 1882, No. 407 R. 28th Feb. 1882, No. 529 W. 25th Aug. 1882, No. 2199 W. 22nd Feb. 1883, No. 587 W. 22nd June 1883, No. 1752 W.
G. Rama Row, Clerk, C. Project, Executive Engineer's Office, Cuddapah.—Informed through the Superintending Engineer, III Circle, that his prayer for exemption from the Middle School Examination, First Class or from the Entrance Examination for admission into the Accounts Branch cannot be complied with —.	5th do. do. No. 939 W.	20th June 1878, No. 2572 W. 12th Dec. 1879. No. 3190 W. 29th June 1882, No. 322 E. 21st April 1883, No. 1200 W. 19th Dec. 1883, No. 3647 W.
Madras Harbour Works.—Statement of payments made in England on account of stores and freight, and of invoices despatched to India during February 1884, communicated to officers concerned.	5th do. do. No. 940 W.	13th Mar. 1884, No. 687 W.
Objectionable Items Statement, Imperial, Madras Harbour Works, for January 1884.—Orders on —.	5th do. do. No. 941 W.	7th Mar. 1884, No. 629 W.
Objectionable Items Statement, Imperial and Provincial, III Circle, for January 1884.—Orders on —.	5th do. do. No. 942 W.	1st Mar. 1884, No. 569 W.
Approach road to the stables of the Public Works Offices, Chepâk.—Estimate of Rs. 373 for altering the —, sanctioned.	7th do. do. No. 950 W.	3rd April 1884, No. 813 C.
Temporary Establishment, II Circle, for 1884-85.—Rs. 24,426 appropriated to meet the cost of —.	7th do. do. No. 951 W.	22nd Mar. 1884, No. 770 W.
Clerks and Peons of the two temporary Overseers of the Barur Tank Project.—Rs. 528 appropriated to meet the pay of the —.	7th do. do. No. 952 W.	24th Mar. 1884, No. 793 W.
Church at Wellington.—Consulting Architect to Government to report without delay whether, as suggested by the Right Reverend the Bishop he can prepare a design for the — which will effect a reduction in the estimate.	7th do. do. No. 953 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Examination in Vernaculars.—Proceedings, Public Department, sanctioning usual rewards to certain officers for passing the 2nd class test in Tamil and Telugu and declaring that, as in the case of high proficiency, there is no provision for passing the Higher Standard Examination piecemeal, communicated to the Superintending Engineer, II Circle, and the Examiner, Public Works Accounts.	5th April 1884, No. 954 W.	......
Account.—Proceedings, Financial Department, communicating Resolution of the Government of India desiring that Local Governments will refrain from authorising the apportionment of charges hitherto shown under one service head of — between two or more, recorded.	7th do. do. No. 955 W.	......
Twenty-four Pounder Guns to be mounted on the North-East Demi-Bastion, Fort St. George.—Proceedings, Military Department, recording reference to His Excellency the Commander-in-Chief regarding the works to be removed in order to give effective command to the —, recorded.	7th do. do. No. 956 W.	3rd April 1884, No. 909 W. 15th Feb. 1884, No. 364 C. 21st Nov. 1883, No. 3320 W. 6th Aug. 1883, No. 2154 W. 10th Jan. 1883, No. 89 W. 28th Sept. 1882, No. 1742 C. 4th April 1881, No. 914 W.
Embarkation and dis-embarkation charges incurred by Officers proceeding on duty by Sea.—Proceedings, Financial Department, directing that the Government of India be requested to reconsider the question of payment of the —, recorded.	7th do. do. No. 957 W.	......
Erratum in Board's Proceedings, printed with G.O., No. 400 W., dated 14th February 1884, regarding difference in the description of the steam launch sent out for the Salt Department from the description indented for —.	7th do. do. No. 958 W.	......
Advertisement charges incurred by the Superintending Engineer, I Circle.—Sanctioning certain — to the extent of Rs. 19-11-0.	8th do. do. No. 959 W.	......
Temporary Draftsmen of the Office of Chief Engineer for Irrigation.—Rs. 420 appropriated to meet the salary of the two —.	8th do. do. No. 960 W.	25th Mar. 1884, No. 799 W.
Mr. A. B. Cruse, Temporary Assistant Engineer.—Leave on medical certificate for seven days from 15th January 1884 granted to —.	8th do. do. No. 961 W.	......
Forest Officer's Bungalow at Hasthampatti.—Proceedings, Revenue Department, recording Proceedings, Board of Revenue, embodying explanation of the delay in paying the arrears of house-rent due by Mr. Stanborough the Deputy Conservator of Forests for the —, Salem District, recorded.	8th do. do. No. 962 W.	5th Oct. 1883, No. 2793 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Sangam Project Division.—The purchase, locally, of two mathematical instrument boxes and two parallel rulers by the Executive Engineer —for the special sub-division, sanctioned as a special case with remarks.	8th April 1884, No. 963 W.	......
Objectionable Items Statement, Provincial, VI Circle, for January 1884.—Orders on —.	8th do. do. No. 964 W.	7th Mar. 1884, No. 628 W.
Objectionable Items Statement, Provincial and Excluded Local, Architect Division, for January 1884.—Orders on —.	9th do. do. No. 965 W.	12th Mar. 1884, No. 670 W. 14th Feb. 1884, No. 396 W.
Objectionable Items Statement, Local, VI Circle, for January 1884.—Orders on —.	9th do. do. No. 966 W.	12th Jan. 1884, No. 87 W. 7th Mar. 1884, No. 630 W.
Objectionable Items Statement, Imperial and Provincial, II Circle, for January 1884.—Orders on —.	9th do. do. No. 967 W.	12th June 1883, Nos. 1151-52. Public Department. 21st June 1883, No. 1741 W. 23rd July 1883, No. 2018 W. 20th July 1883, No. 2006 W. 15th Mar. 1884, No. 712 W. 22nd Mar. 1884, No. 716 C.
"*Madras Manual of the Administration.*"—Proceedings, Public Department, intimating to officers concerned that the Government attach particular importance to the careful and intelligent preparation of articles for the — and calling on them to give their close and personal attention to the revision of those articles, recorded.	9th do. do. No. 968 W.	2nd July 1881, No. 1641 W.
British Consular Agent, Pondicherry.—The Superintending Engineer, V Circle, directed to report what allowance proportionate to the extent of accommodation in his dwelling-house devoted to office purposes can be granted for office-rent to the —.	9th do. do. No. 969 W.	......
Applications for enhanced travelling allowances.—Proceedings, Financial Department, intimating that the Government will not in future consider — unless accompanied by an estimate of the additional cost involved annually, communicated to officers of the Public Works Department.	9th do. do. No. 970 W.	......
Statement of Payments made in England on account of Stores and Freight, Provincial and Local Funds, Madras Public Works, and of invoices despatched to India during February 1884, communicated to officers concerned.	9th do. do. No. 971 W.	13th Mar. 1884, No. 686 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
"*Native State*".—Ordered that the Government of India be addressed to ask whether the term — as it occurs in Section 8 (3) of the Civil Pension Code, includes a "Court of Wards" a "Port Trust" and a "Municipality" as alleged by the Examiner, Public Works Accounts, the Examiner insisting that sanction of Government of India in the Foregin Department is necessary under that section to the deputation of Mr. C. Vincent, Executive Engineer, for duty under the Court of Wards.	16th April 1884, No. 979 W.	13th Mar. 1884, Nos. 492-93 D. 23rd Jan. 1884, No. 213 W. 12th Feb. 1884, No. 382 W. 25th Feb. 1884, No. 448 C. 6th Mar. 1884, No. 437 D.
Letter to the Government of India	16th do. do. No. 980 W.	......
Surplus and Unserviceable Stores, Presidency Public Works Stores Division.—Sanctioning the proposal to write off to profit and loss in the accounts of March 1884, the difference viz., Rs. 22,174-9-10 between the book value and the amount realized by auction sale of certain —.	16th do. do. No. 987 W.	21st Sept. 1881, No. 2331 W. 5th Jan. 1882, No. 3 W. 21st Oct. 1882, No. 2743 W. 25th Sept. 1883, No. 2692 W.
Madras Harbour Works.—Statement of outlay on the — to end of February 1884, recorded, and the future submission of the statements discontinued.	16th do. do. No. 988 W.	28th Mar. 1884, No. 853 W. 19th Mar. 1884, No. 748 W.
Kistna District Manual.—Proceedings, Revenue Department, forwarding a copy of the — with the remark that the Kurnool Manual has not yet been published, communicated to the Superintending Engineer, III Circle, with the Manual.	16th do. do. No. 989 W.	22nd Mar. 1884, No. 718 C.
Form E "On duty" Certificate.—Proceedings, Financial Department, communicating Government of India notification to the effect that Military Officers in civil employ should not, when travelling by railway on civil duty, make use of —, communicated to officers of the Public Works Department.	16th do. do. No. 990 W.	16th April 1884, No. 1369 W.
Hospital for Women and Children, Madras.—Proceedings, Public Department, sanctioning the purchase of a stove for the use of the —, communicated to the General Superintendent, Public Works Workshops, with a view to his seeing to the setting up of the stove.	17th do. do. No. 991 W.	......
Negapatam Sub-division Office.—Sanctioning payment of a rent of Rs. 3 monthly to the building at Tiruturaipúndi hired for the —.	17th do. do. No. 992 W.	......
List of officers proceeded to England with Last Pay Certificates.—Blank —, for the quarter ended 31st March 1884, ordered to be forwarded to the Home Government.	17th do do. No. 993 W.	18th Jan. 1884, Nos. 150-51 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Above forwarded to the Under Secretary of State for India.	17th April 1884, No. 994 W.	......
Colonel H. L. Prendergast, R.E., Superintending Engineer, V Circle.—Privilege leave for two months granted to —.	17th do do. No. 995 W.	......
Sub-divisional Office at Madanapalle.—Sanctioning the demolition of the building occupied by the —, Cuddapah District.	17th do. do. No. 996 W.	......
Office Tent.—The Executive Engineer, Rushikulya Project Division, allowed a small —.	17th do. do. No. 997 W.	......
Travelling Allowance to Warrant Officers holding Honorary Commissions.—Proceedings, Financial Department, recording Resolution of the Government of India that — shall be passed at the rates allowed to Commissioned Military Officers who are first-class officers under the Civil Travelling Allowance Code, communicated to officers of the Public Works Department.	17th do. do. No. 998 W.	1st Sept. 1883, No. 2448 W.
Objectionable Items Statement, Provincial and Imperial, V Circle, for January 1884.—Orders on —.	17th do. do. No. 999 W.	15th Mar. 1884, No. 711 W.
Indexes and Tables of Contents of the Proceedings of the Madras Government.—Proceedings, Public Department, communicating despatch from the Secretary of State requesting that one extra copy of each of the — in each department may be supplied for the use of the India Office commencing from the beginning of the present year, recorded.	17th do. do. No. 1000 W.	......
Ojectionable Items Statement, Provincial, I Circle, for January 1884.—Orders on —.	18th do. do. No. 1001 W.	10th Mar. 1884, No. 651 W.
Ojectionable Items Statement, Provincial and Imperial, IV Circle, for January 1884.—Orders on —.	18th do. do. No. 1002 W.	25th Jan. 1883, No. 279 W. 21st Jan. 1884, No. 183 W. 19th Jan. 1884, No. 161 W. 22nd Mar. 1883, No. 931 W.
Tank Division, No. II.—The appointment of four temporary Overseers to — confirmed and the Superintending Engineer authorised to entertain the necessary office establishment for the division.	18th do. do. No. 1003 W.	......
Sub-Conductor J. Cormac, Sub-Engineer, 2nd Grade.—Ordered that the Government of India be requested to sanction the appointment of — as a temporary Engineer on Rs. 450 per mensem, to count against the appointment on that pay allowed to the No. II Tank Division.	18th do. do. No. 1006 W.	26th Mar. 1884, No. 744 C. 3rd April 1884, No. 917 W. 3rd April 1884, No. 916 W. 4th April 1884, No. 676 D. Government of India letter No. 37 G. 8th Jan. 1884.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Letter to the Government of India	18th April 1884, No. 1007 W.	......
Kurnool Canal Division.—The Examiner, Public Works Accounts, authorised to admit certain charges incurred in the —.	19th do. do. No. 1010 W.	1st April 1884, No. 653 D.
Mr. R. Wallnut, Executive Engineer, No. I Tank Division.—Travelling allowance to — to join his appointment at Madras from Mymensing to be granted at the rate admissible to an Executive Engineer, and his bill of actual expenses of the journey to be subject to the usual audit.	19th do. do. No. 1011 W.	......
Mr. W. S. Haig, Assistant Engineer.—Ordering that the six months' sick leave granted to — shall begin in India at the end of his subsidiary leave, without forfeiture of his subsidiary leave.	19th do. do. No. 1012 W.	......
Amarávati Marbles.—Proceedings, Public Department, authorising the Accountant-General to adjust the charges connected with the conveyance of the — to Madras, communicated to the Superintending Engineer, II Circle.	21st do. do. No. 1016 W.	22nd Mar. 1884, No. 716 C. 8th April 1884, No. 967 W. 15th Mar. 1884, No. 712 W. 23rd July 1883, No. 2018 W. 20th July 1883, No. 2006 W. 21st June 1883, No. 1741 W.
Lieutenant-Colonel H. M. Vibart, R.E.—Proceedings, Military Department, sanctioning extension for three days of the furlough out of India of —, communicated to that officer.	21st do. do. No. 1017 W.	......
Madras Army Head-quarters at Ootacamund.—Proceedings, Military Department communicating the sanction of the Government of India to the appointment of a First-Class Assistant Apothecary and to a grant of Rs. 30 a-month to the existing dispensary in connection with —, recorded.	21st do. do. No. 1018 W.	21st April 1884, No. 465 W.
Temporary Draftsman in the Office of the Chief Engineer for Irrigation.—The sanction accorded to the entertainment of a — on Rs. 35 per mensem, extended for a further period of 6 months.	21st do. do. No. 1019 W.	28th Feb. 1884, No. 542 W. 8th Feb. 1884, No. 336 W. 30th Nov. 1883, No. 980 I.
Kurnool Canal Division.—The Examiner, Public Works Accounts, authorised to admit the claims to single horse allowance of certain Irrigation and Anicut Superintendents of the — for certain periods when they were performing the duties of upper subordinates.	21st do. do. No. 1020 W.	16th Aug. 1883, No. 2286 W. 26th April 1883, No. 1245 W.
Pension.—Proceedings, Pension Department, granting an invalid — of Rs. 10 per mensem to Muhammad Hussain Sahib late Store-keeper, Petty Establishment, Bezváda, Kistna Eastern Division, recorded.	21st do. do. No. 1021 W.	15th Feb. 1881, No. 406 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Unanswered References from the Government of India.—List of —, for the quarter ending 31st March 1884, forwarded to the Government of India.	21st April 1884, No. 1022 W.	5th Feb 1884, No. 297 W.
Local Fund Budget, Hosúr Circle, 1884-85.—Proceedings, Financial Department, reviewing the —, recorded.	21st do. do. No. 1023 W.	2nd Aug. 1883, No. 2130 W. 6th July 1883, No. 1893 W.
Marine Villa at Cocanada.—Answering in the affirmative the inquiry of the Superintending Engineer, I Circle, as to whether the Government Order which directed the sale of the — to be stopped is also to be understood as an order calling for an estimate for putting the building in thorough repair.	22nd do. do. No. 1024 W.	26th Aug. 1878, No. 3391 W. 9th Nov. 1878, No. 4314 W. 14th Aug. 1883, No. 2275 W. 3rd Jan. 1884, No. 4 W. 5th Mar. 1884, No. 530 C. 20th Mar. 1884, No. 750 W.
Re-appropriation of Budget Grants.—The Examiner, Public Works Accounts, informed that the — authorised in G.O., No. 631 W., dated 7th March 1884, have been sanctioned by the Government of India.	22nd do. do. No. 1025 W.	7th Mar. 1884, No. 631 W.
Mr. H. E. Clerk, Assistant Engineer.—Granting a month's privilege leave to —.	22nd do. do. No. 1026 W.	......
Imperial Military Works Budget Estimate, Public Works Department, North-Western Provinces and Oudh, for 1884-85, *Final Issue.*—Letter from the Government, North-Western Provinces and Oudh, forwarding a copy of the —, recorded.	22nd do. do. No. 1027 W.	......
Imperial Other Services Budget Estimate, Public Works Department, North-Western Provinces and Oudh for 1884-85, *Final Issue.*—Letter from the Government, North-Western Provinces and Oudh, forwarding a copy of the —, recorded.	22nd do. do. No. 1028 W.	......
Rain Gauges.—Proceedings, Revenue Department, acknowledging the obligation of Government to Mr. Michie Smith for his communication regarding — for forest and out-stations, and asking him for further information with regard to his suggested improvement on Mr. Hutchins' gauge, communicated to Superintending Engineers.	22nd do. do. No. 1029 W.	......
Pension.—Proceedings, Pension Department, granting a compensation — of Rs. 11-10-8 per mensem to P. Seshayya Naidu, late Second Writer, Sub-Court, Bellary, with remarks as to the delay in the submission of the application, communicated to Public Works Officers.	22nd do. do. No. 1030 W.	......
Mr. A. J. Oldham, Executive Engineer, 4th Grade.—The Examiner, Public Works Accounts, authorised to accept the debit to this Presidency of Rs. 1,500-1-3 on account of the famine concession allowed to — an officer of Bengal who did famine relief duty in Madras.	23rd do. do. No. 1031 W.	12th April 1881, No. 985 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Temporary Moochee for the Office of Chief Engineer and Secretary to Government, Public Works Department.—Sanctioning the entertainment for six months of a — on Rs. 8 per mensem.	24th April 1884, No. 1034 W.	......
Mr. J. E. Paul, Assistant Engineer.—Privilege leave for three months granted to —.	24th do. do. No. 1035 W.	......
Temporary Clerk in the Bellary Division Office.—The sanction accorded to the employment of a — for three months for sorting records, extended for another month.	24th do. do. No. 7036 W.	18th Oct. 1883, No. 2963 W. 20th June 1883, No. 1738 W. 17th Nov. 1883, No. 3282 W. 21st Feb. 1884, No. 430 C. 27th Mar. 1884 No. 836 W.
Iron chain required by the Kistna Eastern Division.—The revised estimate of Rs. 655, for the purchase of 1000 feet of $\frac{3}{4}$-inch—, sanctioned in supersession of the estimate of Rs. 330 sanctioned by the Superintending Engineer.	24th do. do. No. 1037 W.	......
Transfer of the Services of Officers to Native States.—Proceedings, Political Department, recording letter from the Government of India, requesting that the — in this Presidency on Rs. 250 a-month or less or any increase of pay granted to such officers may be reported to the Secretary of State, direct, recorded.	24th do. do. No. 1038 W.	......
Report on Native Newspapers for February 1884, recorded.	24th do. do. No. 1040 W.	......
Strong room for the storage of coins at Coimbatore.—Proceedings, Financial Department, approving the proposed temporary removal of the treasury to a room in the present Huzur treasury building different from where it now is, pending alteration of the old treasury room into a — in the sense in which a strong room has been defined by Government, communicated to Superintending Engineer IV Circle.	25th do. do. No. 1048 W.	25th April 1882, No. 1055 W.
Local Fund Budget, Tanjore Circle, 1884-85.—Proceedings, Board of Revenue, forwarding for information supplemental list of works to be included in the —, communicated to the Superintending Engineer, VI Circle, with remarks.	25th do. do. No. 1049 W.	31st Dec. 1883, No. 3714 W. 11th Mar. 1884, No. 660 W.
Local Fund Budget, Chingleput Circle, 1884-85.—Proceedings, Financial Department reviewing the —, recorded.	25th do. do. No. 1050 W.	22nd June 1883, No. 1754 W. 2nd Aug. 1883, No. 2129 W.
Analysis of drinking water for the Ootacamund Municipality.—Proceedings, Public Department, directing that the — should be paid for out of the grant-in-aid of Rs. 75,000 made in 1882 for improvements to the town of Ootacamund, recorded.	25th do. do. No. 1051 W.	10th May 1882, No. 1190 W. 3rd July 1882, No. 1667 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Local Fund Budget; Dindigul Circle, 1884-85.—Proceedings, Financial Department, reviewing the —, recorded.	25th April 1884, No. 1052 W.	4th Aug. 1883, No. 2144 W. 1st Sept. 1883, No. 2453.
Local Fund Budget, Masulipatam Circle, 1884-85.—Proceedings, Board of Revenue, submitting to Government, Financial Department, the —, recorded.	25th do. do. No. 1053 W.	11th July 1883, No. 1949 W. 6th Aug. 1883, No. 2156 W.
Professional advice to be given by Public Works Officers when sought by the Revenue Department.—Proceedings, Revenue Department, expressing dissatisfaction at the Executive Engineer, South Arcot, having declined to inspect a tank as desired by the Board of Revenue, and ruling that officers of the Public Works Department are bound to assist Revenue officers with professional advice, communicated to the Superintending Engineer, V Circle, and to other officers of the Public Works Department.	28th do. do. No. 1057 W.	......
Indents on the Home Government for Stores.—Proceedings, Financial Department, communicating extract from a despatch from the Secretary of State requesting that in future —, English instead of Indian weights and measures may be quoted, communicated to officers concerned.	28th do. do. No. 1059 W.	......
Old European Hospital Building at Trichinopoly.—Proceedings, Military Department, sanctioning the proposed resumption by the Military Department of the —, communicated to the Superintending Engineer, VI Circle.	28th do. do. No. 1060 W.	......
Mr. E. T. Anthony, Accountant, 1st Grade.—Ordered that the Government of India be informed that — can, though with a little inconvenience to the Examiner, Public Works Accounts, as the result of his prolonged absence, be spared for duty under the Government of India for a further six months from 1st April 1884.	28th do. do. No. 1063 W.	13th Mar. 1883, No. 827 W. 21st Mar. 1883, Nos. 917-18 W. 31st Mar. 1883, Nos. 995-96 W. 22nd Sept. 1883, No. 2664 W. 8th Oct. 1883, No. 2835 W. 6th Nov. 1883, No. 2340 D. 1st Nov. 1883, No. 3106 W. 16th Nov. 1883, Nos. 3271 & 3271-A W. 16th Jan. 1884, Nos. 127-28 W. 28th Jan. 1884, Nos. 247-48 W. 22nd Feb. 1884, No. 495 W.
Letter to the Government of India	28th do. do. No. 1064 W.	22nd Feb. 1884, No. 495 W.
Captain W. L. C. Baddeley, R.E., General Superintendent, Public Works Stores and Workshops.—Privilege leave for two months and-a-half from 1st May 1884, granted to —.	29th do. do. No. 1068 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Mr. F. F. Hensley, Deputy Examiner, Guaranteed Railway Accounts, Madras.—Ordered that the final last pay certificate of — on furlough for 20 months, be forwarded to the Home Government.	29th April 1884, No. 1070 W.	......
Above forwarded to the Under Secretary of State for India.	29th do. do. No. 1071 W.	......
Mr. P. Webb, Clerk.—Authorizing the retention of — in the Presidency Public Works Workshops.	29th do. do. No. 1072 W.	22nd Dec. 1880, No. 2941 W. 2nd April 1884, No. 895 W.
Madras Harbour Dues Act.—Proceedings, Marine Department, declining to accept the recommendation of the Harbour Committee that the levy of tolls under the — should not for the present be at the maximum rates, recorded.	29th do. do. No. 1073 W.	1st Mar. 1884, No. 674 W.
Connection of public servants with landholding and commercial speculation in India.—Letter from the Government of India intimating that the number of their circular promulgating rules regarding — should be altered from No. 2, Public Works to No. 3, Public Works, recorded.	29th do. do. No. 1074 W.	19th Dec. 1882, No. 3359 W. 27th Mar. 1884, No. 839 W.
Budget Estimate of the Imperial Military Works in Punjab for 1884-85.—Letter from the Government of Punjab forwarding a copy of the —, recorded.	29th do. do. No. 1075 W.	......
Books and publications required by the departments of the public service.—Proceedings, Public Department, directing that — should not hereafter be indented for from England, but procured locally, and that the local bookselling firms should be communicated with on the subject, communicated to the General Superintendent, Public Works Stores.	30th do. do. No. 1076 W.	......
Allotment for Minor Works in the Imperial Other Services Budget Estimate for 1884-85 *under Telegraph.*—The Director-General of Telegraphs in India informed that information as to what portion of the — can be placed at his disposal for minor new works can be given only on receipt of reports from Superintending Engineers of incomplete works requiring appropriations in 1884-85.	30th do. do. No. 1077 W.	20th July 1883, No. 2007 W. 21st Mar. 1884, No. 769 W. 21st Dec. 1883, No. 3670 W.